FIELD NOTES

AUGUST 22, 1909, to

MARCH 14, 1910.

From Herschel Island, Yukon Territory, through the Mackenzie Delta, and east to Cape Parry, Northwest Territories; and return to Langton Bay.

By Rudolph M. Anderson
American Museum of Natural History, New York City, U. S. A.

BOOK V.

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From Herschel Island, Yukon Territory, Canada, east through Mackenzie Delta, to Richard Island, Toker Point, Cape Brown, Cape Dalhousie, Liverpool Bay, Cape Bathurst, Franklin Bay, Horton River, Langton Bay, Cape Parry, and back to Langton Bay.

By Rudolph Martin Anderson

American Museum of Natural History,
77th Street and Central Park West,
New York City, U. S. A.

BOOK V.

August 22nd, 1909, (Sunday). Herschell Island, Yukon Territory, Canada.

Weather:

M.T. + 32° + 33° at 2.00 a.m.

Travel:

Sailed from Flanders Point at 1.30 a.m. in Ningakshuk's sloop with Ilavinirk and Pikalo in whale-boats. Snow flying and ground white with snow. Strong south-west wind. Wind died down completely at 2.30 a.m., when we were about half a mile from the whaling station harbor, and we had to row in. Breeze freshened from northwest just as we entered harbor at 3.00 a.m. Captain Theodore Pedersen's schooner "Challenge Unalaska", lying in harbor. Constable F.Pearsons and Constable Sam Carter, R.N.W.M.P. in charge of barracks. The new officer, Inspector Jennings, has gone to Baillie Island, with Sergt. Selig of Fort McPherson and Constable Kinney recently transferred from Herschell Island to McPherson. Bishop Stringer and Missionary Whittaker are cruising to the east of Mackenzie in whaleboat. Schooner "Rosie M." of San Francisco, after wintering at Flaxman Island sailed east about two weeks ago. Steamer "Karluk" of San Francisco arrived Thursday August 19th and dropped anchor outside, but did not enter harbor. Captain Cottle of New Bedford, commanding. The "Karluk" took on Mr. Stefansson with "Billy" and Pannigabluk, umiak with load and three dogs. Stefansson left note for me, saying that he would be landed somewhere near Cape Parry on this side, with ample supplies. My party was urged to follow as fast as possible by boat and if need be by sled later. A few letters and papers were here for me, some via Dawson last winter, others via Fort McPherson in July, and one or two via Barrow, Alaska. Captain Pedersen's schooner sailed for Barrow in afternoon with fair north east wind, taking out a few letters for me, to be mailed at Unalaska.

There was no time to box up specimens in proper shape for shipment to New York, some specimens brought in from Flaxman by "Rosie M." some by Stefansson, and some in my boats.

Bowhead:

Constable Carter says that several whales have been seen close to Herschell Island this summer,

and one young whale in the harbor.

Travel:

Several native whaleboats are in the harbor now, and several at Flanders Point. Calm most of the day; cloudy, northeast wind after 5.00 p.m. Capt. Cottle is said to have traded one whaleboat with some incidentals, for one Black Fox and three Silver Gray Foxes.

August 23rd, 1909 (Monday).

Weather:

M.T. 32°. Cloudy all day.

Travel:

Spent day packing specimens, resalting sheep and caribou skins, and shall store them in ware-house near R.N.W.M.P. quarters. Shall probably be able to ship them out with the "Karluk" or some other whaler next summer.

Seven Mountain Sheep (Ovis dalli) fifteen caribou and several boxes of smaller skins and eggs, a few plants, insects and geological specimens. Wind shifted to southwest in afternoon and all the Nunatami whale-boats sailed for Flanders Point, on their way to Mackenzie River delta. As it was rather late, Ningakshuk did not wish to sail, as he said he could not reach a good harbor for his sloop, before dark. The only natives left at Herschell Island (outside of my party) are the resident "Kogmolliks", all living in houses. Pikalo has decided to go with us, taking Pannigabluk's whaleboat. He has his old father Kunasilek with him. The terms on which he wished to go were not in employ of Stefansson, and to have his own catch of fur, but to hunt meat, fish, etc. with and for our party.. Ningakshuk is also going east with us in his sloop. He has been doubtful about going for the past two days, and he did not have enough tobacco to winter on, and I reiterated the assurance which Stefansson had given him previously, that we would supply him with tobacco after his was exhausted, so long as we had any ourselves. Our supply seems to be ample.

August 24th, 1909 (Tuesday).

Weather:

M.T. +31 + 33 at 8.00 p.m. Strong northwest wind all day,- too strong for sailing. Snow flying most of day and all night, making ground white.

Travel:
Wrote a fuller report to American Museum to go out with Dawson Patrol in January. Packed all my "Field Notes" and negatives taken during the year with a few other papers and left in care of R.N.W.M.P.

Snow Buntings:
A few Snow Buntings seen around shores of Harbor.

Hulo-hulo dance most of night.

August 25th,1909 (Wednesday).

Weather:
M.T. + 31° + 37° at 12.00 m. Wind moderated about 2.00 a.m., and we broke camp and sailed at 3.30 a.m. Snow falling continuously until afternoon.

Travel:
Left dog "Whisky" in care of John Grubin until spring. Ilavinirk also left "Sport" with a friend. Ningakshuk took two additional passengers in his sloop Kalirrak bound for Peel River, and Ak-kok-kauk or "Beluga" bound for (Kay Point, etc).
Pikalo took a Kogmollik man named Pamitook and his 14 year old son O-in-yok (Alias "Hoodlum") bound for Baillie Island, while Ilavinirk had his adopted boy Pa-lai-yak.
Brisk sailing wind all night. Wind calmed for a short time at Stokes Point at 9.30 a.m. and we boiled tea. A

Snow Geese:
A large flock of Snow Geese alighted on sand-spit, but we could not get near enough to shoot. Saw two other flocks going west.

Black Brant:
Several large flocks of Black Brants seen.

Travel:
Ningakshuk's dogs ran away, delaying us until 11.30 a.m. Gale rose steadily and we put into lagoon at mouth of little creek called Kanikliarhuk (Kangikgtoakyok - Eskimo boy's spelling), a good harbor. A little east of this Niakolik a high cut bank, terminating in a point, west of Kay Point. Niakolik said to be good fishing place for Jack-fish in spring-time. King Point in sight 8-10 miles to east. All the Nunatamis from Herschell Island are camped here now,- some on sandspit and some across the lagoon.

Caribou:

Naiyak's boy Sawrkeliguak killed two caribou near here Monday. Eight caribou were seen.

Birds:

Large flock of Black Brants were seen flying westward at intervals, also a few ducks. Boy caught a Red Phalarope alive, also shot two young Red-throated Loons (full grown).

August 26th,1909 (Thursday).

Weather:

M.T. + 30° + 38° at 11.00 a.m. Strong southwest wind. Sunshiny.

Two nets full of white-fish and Connies this morning (over 100). Had two boiled Loons for breakfast very good, tender and no fishy taste. Although Birds were full-grown, the sternum was entirely cartilaginous, and the coracoids nearly so.

Snow Geese:

Flocks of Snow Geese were going west all day. Towards evening a flock passing eastward over lagoon, was decoyed by boys imitating call and passed over, about 75 yards up and I dropped one.

#329 Chen hyperboreus hyperboreus ♀ L.29 W.15 1/4; T.6 1/2; B.2.19; Ts. 3. 375. Weight 6 lbs. not at all fat. Bill and feet pink, lamellae of bill black; iris brown.

Cold, frosty and clear at 11.00 p.m. Ilavinirk's bitch "Lucy" had 7-8 pups today,- three were kept.

August 27th, 1909 (Friday)

Weather:

M.T. + 28° + 30° at 5.00 a.m. Bright, clear, ground covered with hoar - frost, wet sand frozen and young edges around edges of lagoon. Light southwest wind.

Travel:

The whole fleet, fifteen whaleboats and one sloop sailed westward at 6.00 a.m, Akkokkauk ("Beluga") and boy who started with us, remained to hunt caribou, intending to go to Herschell Island later. Few fish in nets this morning. Wind from southwest all day, variable in strength, but fresh most of the time. Passed Kay Poing (Tikiak) about 9.00 a.m.

Bowhead:
The boats ahead of us reported seeing two Bowhead Whales (Balaena sp.) near King Point. One was seen to "blow" two or three times near the boats.

Travel:
Passed King Point (Kinak) about 3.00 p.m. Captain Roald Amundsen with "Gjoa" wintered here 1905-06. The wreck of whaler "Bonanga" still visible on beach. The mud cliff has broken away very much since that time, and Constable Sam Carter told me that this summer the R.N.W.M.P., had exhumed Gustav Juel Wiik and moved the remains back some 200 yards, the grave being in imminent danger of caving into the sea. Bishop Stringer and Rev.E. Whittaker, missionaries, were passing in whaleboat on their way to Mackenzie river, and the Bishop held services over the grave.

Snow Geese:
A few small flocks of Snow Geese seen flying east or southeast.

Travel:
Passed Roxy's house at Shingle Point (marked by a large upright pole, about 6.00 p.m. and caught up with the other boats at 8.30 p.m. They had camped at east end of a long sandspit, about a mile east of Mr. Stein's house at mouth of a little creek called Akpayautjak (Escape Reef). The little inlet close to Stein's house, which we used as a harbor last summer, is nearly filled up and boats can not enter now. Two islands a few miles off shore, two or three miles northwest of here. Water muddy from about Shingle Point east. 14 1/2 hours steady sailing today carried us a goodly distance.

August 28th, 1909 (Saturday).
Weather:
M.T. + 35 + 40 at 12 m. Wind northeast at 6.00 a.m. Very variable, shifting all morning. Due south at 8.30 a.m. Northeast from 9.00 a.m. to 12 m.

Hawk:
A medium sized hawk(F.p. anatum ?) flew leisurely over our camp, and alighted for a moment on top of whaleboat mast on other side of lagoon.

Whaleboat drifted too near shore last night and our dogs and others climbed in, and stole all the fish on hand about 1/2 cask. An old stranded whale carcass on beach near camp; dogs manage to gnaw off a little of the tough weathered skin; oil nearly all dried out.

Snow Geese:

Several flocks of Snow Geese flying over camp during aforenoon.

Weather:

Wind changed to southwest after 3.00 p.m. and soon increased to a gale, blowing all evening. Foggy in evening.

Food:

For supper we had a dish pan full of a salmon flesh colored berry, resembling a large raspberry, growing mainland;- called Akpik. Rather flat-tasting, slightly sweetish. Prepared for table by mixing berries with seal oil. Ilavinirk says if eaten alone (i.e. unmixed), they cause cramps in the stomach.

August 29th,1909 (Sunday).

Weather:

M.T. + 36. +55° at 3.00 p.m. Strong northwest wind all forenoon. Cloudy. Light rain at intervals all day. Wind increased all day. In afternoon we had to move sloop and several whaleboats around to eastern point of sandspit,a task accomplished - with some difficulty in heavy surf.

Black-bellied Plovers:

Flock of Black-bellied (or Amerian Golden ?) Plovers about a dozen flew east in forenoon.

Fish:

Mingakshuk caught 23 fish in one net in evening and Ilavinirk caught a net full - mostly white-fish, but a few Connies (one 8-10 lbs.).

August 30th, 1909 (Monday).

Weather:

M.T. + 33° + 34° at 2.00 p.m. Strong gale still blowing from northwest, heavy surf. Ground white with snow, wet, occasional sprinkles of rain.

Travel:

Mr. Stein's schooner appeared eastward about 4.00 p.m. and dropped anchor outside. Went on board and met Inspector C.L.Jennings, R.N.W.M.P. They had started for Baillie Island early in August, and meeting head winds had been obliged to turn back at Kittigaryuit.. Sergt. Selig and Constable Kinney had returned to Fort McPherson. Remained on board schooner and sailed over to Shingle Point anchoring behind sandspit near Roxy's house. After supper walked back home along beach. About dark 11. p.m. got tangled up in a maze of little deep channels at Okpayautjak, got within 200 yards of camp, but was blocked at all points, and being unable to see very far in semi-darkness with snow flying, went back to a camp of three tents of resident Eskimos, reaching it about 1.00 a.m. Stayed until morning in tent of Kapkanna (?) and wife, and had tea and fish. People here catching and drying (sun-dried and smoked) fish.

Snow Geese:

Large flocks of Snow Geese flying west in afternoon.

August 31st, 1909 (Tuesday).

Weather:

M.T. + 33° +36° at 9.00 a.m. Cloudy. Very little wind (northeast) in morning. Shifted to southwest about 10.00 a.m. Reached camp by wading waist-deep across wide channel near end of Sandspit.

Snow Geese:

Two or three flocks of Snow Geese seen flying west.

Raven:

A Raven, the first seen since last winter, was picking up refuse near camp and the dogs were chasing him from one spot to another. I approached within fifty yards, unusually close.

Fish:

A good many fish in nets today.

Southwest gale all afternoon and all night.

September 1st,1909 (Wednesday).

Weather:

M.T. + 35° + 36° at 9.00 a.m. Gale died down to a light southwest wind early in the morning and we began to prepare to sail. Wind soon shifted to

northeast and then east by north, soon blowing a gale.

Travel:

The people here all very much afraid to try to enter the Makenzie River delta, unless the wind is light and fairly southwest. They shake their heads ominously when they speak of the shoals at entrance of river, and the terrible seas which arise when a contrary wind meets the river current over the bars. One Ku-ing-yuk is going to Fort McPherson this fall to winter on Peel River. Ilavinirk is sending five Fox skins by him to Mr. Firth to trade for Muskrat skins at current prices (5 Rat = 1 "skin"; 5 "skins" = 1 Fox skin; 1 Fox skin = 25 Rat skins). I am sending a letter to Mr.Firth concerning these skins and also our own supplies from New York billed to Red Peel River. One Eskimo known as "The Policeman" will bring the goods to Kittayuryuit if he finds them at Peel River this fall and if they are still lying at Peel River next summer, Mr. Stein has promised to bring them to Herschell Island in his schooner. If Mr. Stein is not there to take them when Steamer "Mackenzie River" comes down, Ku-ing-yuk will take them. Strong wind all night with some snow flying.

Snow Geese:

One flock of Snow Geese seen going east.

September 2nd,1909 (Thursday).

Weather:

M.T.+ 34° + 36° at 9.00 a.m. Wind died down about 6.00 a.m. Tide very low and most of boats hard aground. Wind blew up from southwest about 9.00 a.m., and we had a fine light wind all day. Boats could not be moved, however. Sunshine in afternoon warm and pleasant.

Birds:

Large flocks of Black Brant, a few flocks of Snow Geese and four Swans passed, eastward during afternoon.

Quite calm in evening. The women picked a large mess of little round black berries (full of seeds) on the mainland. About twenty fish in our net this evening.

September 3rd,1909 (Friday).

Weather:
M.T. + 35° + 36° at 8.00 a.m. Light northeast wind. Cloudy..

Birds:
Large numbers of Lapland Longspurs and a few Redpolls feeding in sparse wiry grass and sandspit, also a flock of about a dozen Pectoral Sandpipers and a large flock of Semi-palmated Sandpipers feeding on Mud-flats. Shot one Pectoral Sandpiper, one juvenile Hoary Redpoll (no red on head), and three Longspurs. The Redpolls and Longspurs were very wild and restless.

Stein's schooner anchored at the west end of sandspit in the evening. Strong southwest gale about midnight and we had to move all boats around point of sandspit again.

Caribou:
"Okpik" et al arrived from eastward, bringing fresh caribou meat; two killed Wednesday. Says one man killed six and two men twelve caribou, east of here a little ways, near the mountains.

September 4th,1909 (Saturday).

Weather:
M.T.+ 33° + 34° at 4.00 a.m. Good wind in morning, but tide had fallen and most of boats were aground. Bright sunshine from 8.00 a.m. to 5.00 p.m.

Birds:
A few flocks of Black Brants and Snow Geese flying over.

Tide rose all morning and ten boats sailed east about 1.30 p.m.

Schooner is sailed by Kunak and Kovegaun. Stern having gone on to Herschell Island in Whaleboat. Sailed across entrance to western mouth of Mackenzie and passed just north of Tent Island (Avalik). Ningaksmuk says that long ago many white fish (Beluga) were killed here; six this summer; says Kogmolliks at Kittayaryuit killed 200 this summer. Cruised along north shore of Tent Island for 3-4 miles and ran into little bay, with narrow, deep channel of river entering; made camp about 7.30 p.m. having sailed perhaps 25 miles. Kunak and Koobagoan are taking Stein's Schooner to south end of Richard Island, and want to travel with us. Dogs killed Muskrat this morning. Kallirrak stayed behind here.

September 5th, 1909 (Sunday).

Weather:

M.T.+34° +39° at 11 a.m. Light snow on ground at 6.30 a.m. which soon melted, no sun came out brightly. Very light southwest wind.

Cranes:

K.says a large flock of Cranes flew over early in the morning.

Snow Geese:

Flock of Snow Geese flew low over camp at 10.00 a.m.

Weather:

Wind changed to northeast early in morning, and remained in that quarter all day.

Muskrat:

Shot at Muskrat swimming in narrow river channel, but failed to hit. Boy found one of the Leffingwell "Nansen sleds" a little way from camp.

Warm sunshine nearly all day. Caught a large Water Beetle (Tit-kring-uk).

September 6th,1909 (Monday).

Weather:

M.T. + 33° + 34° at 8.00 a.m. Fairly strong east windy a few snow flakes flying.

Brown Cranes:

A pair of Little Brown Cranes were walking about on level ground about 400 yards away croaking hoarsely. Ningukshuk stalked them within 200 yards, but failed to hit. They flew about half a mile across the river.

Sunshine about 10.00 a.m.

Few fish said to be in channel at this place.

Boys went out with Kayaks and shot three Snow Geese one Pintail (D.acuta) and five Willow Ptarmigan. The latter is beginning to moult - a few white feathers appearing on back, and pin feathers all over body.

Fish:

Three fair sized Jack Fish (Shiulik) and two Pikuktoak, large gray fish with coarse diamond-shaped scales in net this morning.

Birds:

A few Snow Geese flew over camp during the day. Boy went across river in the evening and killed eleven Willow Ptarmigan, all males.

Some Willows on island are six or seven feet high.

September 7th,1909 (Tuesday).

Weather:

M.T. + 30° +31° at 8.00 a.m. Heavy frost on ground in morning; surface of ground frozen. Bright sunshine all forenoon, but thin ice on marshes until noon.

Birds:

Great flocks of Snow Geese seen on land across river and on mud flats. and I crossed river to hunt, but could not get near geese. Saw three Ravens on mud flats and flying along shore, they were not wild and I approached within 100 yards. Saw three or four Rusty Blackbirds in thicket of willows and alders; very wild. A few Tree Sparrows, Redpolls and Lapland Longspurs seen; also one Gull coming through the willow thickets.We flushed four or five Willow Ptarmigan, and boy killed two males. Thickets are very dense, almost impenetrable and half of ground ankle-deep under water. Skinned two Ptarmigan #333 ♂ L. lagopus. 334 ♂ L. lagopus.

Goose:

A Goose killed near camp while we were gone, but neck torn to pieces by rifle bullet; resembles Blue Goose (Chen caerulescens), but has rump and tail coverts white, and belly with only traces of dusky. Bill black, feet dark slaty blue. Tail feathers dusky, bluish mesially with whitish edgings,- L.27; W.13; T.5.125 B. 2. 18. Ts. 3.06 Tcl.2.94.

Birds:

Boy shot a Black-throated Loon and a Pintail Duck in afternoon. The Loon was in apparently full spring plumage.

#335 ♂ Gavia pacifica(Marllere,- Alaskan name) Kaksaut Kakhtulik (Mackenzie River Eskimo).

Three whistling Swans (Olor columbianus) were seen swimming in river channel about sundown. Ningakshuk wounded one with rifle and it was pursued and killed by boy in Kayaks. It was adult with pure white plumage, bright yellow spot near base of bill.

The other two swans flew for some distance but returned and circled once over the wounded one in the water.

Bright sunshine all day; clear night.

Mashu ["Kagmallik-poteter" - Ammunsen (Poligonum bistorta)], very abundant on islands here; several messes were dug.

September 8th,1909 (Wednesday).

Weather:

M.T. + 30° +33° at 8.30 a.m. + 40° at 12.00 m. Clear, sunshiny morning.

Snow Geese:

Several very large flocks of Snow Geese flew eastward over camp about 6.00 a.m. and everybody who could grab a gun blazed away, without effect. They usually keep up a continuous squawking in flight, at least when in sight of man,- note resembling the Eskimo name of the bird "Kang-ok".

Fish:

Old man Pamiljuk caught about a dozen fish this morning, mostly Jackfish. The Jackfish (Shiulik) are not considered so good as most other fish here, as they are bony, and have no fat. The flesh is about as good as ordinary Pickerel in the United States.

Birds:

Palezhak shot two young Gulls and four Snow Geese; Ningakshuk two Snow Geese and two Willow Ptarmigan. Skinned one Gull.
#336 ♀ Larus hyperboreus (juv.) measured four Snow Geese.

Length	Wing	Tail	Bill.	Tarsus	Mid.Toe	(Tcl.)
27 1/4	15 1/2	5 1/2	2 1/8	3	2 15/16	
30	16 3/4	6 5/8	2 1/4	3 1/4	3 3/16	
31 1/4	16 1/8	6 1/8	2 3/8	3 1/4	3 1/4	
32 1/2	16 3/4	5 3/4	2 5/16	3 1/4	3 1/8	

Another Snow goose killed in evening; all adults shot today; fully feathered. Stewed Swan for lunch, very good eating, scarcely different from Goose.

September 9th,1909. (Thursday).

Weather:

M.T. + 31° + 32° at 8.00 a.m. Strong east wind

becoming stronger all morning. Bright sunshine.

Birds:

Hunted two or three miles to eastward among dense willows and alders along low ridges near creek. Flushed three Willow Ptarmigan, but killed none. A few small flocks of Snow Geese flying and ond flock of Black Brants; strong wind seems to keep them from flying much today. A pair of Little Brown Cranes were occasionally seen flying about from one marsh to another, but were too wary to approach. A flock of 12-15 Rusty Blackbirds were seen several times in the willows, and I shot two; also one Lapland Longspur. A few Tree Sparrows and Redpolls also seen. While stalking the Cranes, a Marsh Hawk (young, red phase), hovered over me for sometime, often within twenty feet of my head, turning its head from side to side to survey me thoroughly. Later Ningakshuk fired a shot in other side of the marsh, flushing one or two Ptarmigan. The Hawk, which was hovering low over the grass on the other side, at least 1/4 mile away, darted over to N., (probably saw Ptarmigan fly) and hovered above N. for sometime. Saw two large Sandpipers (Macrorhamphus griseus scolopaceus) and a smallflock OF Pectoral Sandpipers; one Raven and two Gulls Skinned #337 ♂ Euphagus carolinus. #338 ♂ Euphagus carolinus. #339 ♀ C.lapponicus lapponicus. Pannigabluk brought in one juvenile Snow Goose (bluish plumage) and ten Willow Ptarmigans. Palajak killed six Snow Geese and two Ptarmigan. Eskimo name for Rusty Blackbird = Tu-lu-o-rok or "little Raven". Raven is Tu-lu-ak. Skinned juvenile Snow Goose #340 ♀ Chen. hyperboreus hyperboreus juv. (blue plumage).

September 10th,(Friday)

Weather:

M.T.+32° +33° at 6.00 a.m. Almost no wind in early morning. Wind E.S.E. after 7.00 a.m., but light.

Travel:

Sailed east at 8.30 a.m. Cruised along north shore of large island all day tacking frequently. Stopped from 2.30 to 4.00 p.m., wind having nearly died down. Place called I-ga-oit, a little boy used as a half-way stopping and cooking place between Tent Island and [illegible]. Sailed again from 4.00 to 8.00 p.m. No wind the last hour and we had to laboriously row and pole sloop into a rather

Large river channel (about 100 yards wide and perhaps 10 feet deed in middle).

Birds:

A flock of eight Pintail Ducks (Ku-ru-a) flew over camp in morning and Ilavinirk and boy killed one Pintail, one Snow Goose and one Muskrat while we were working into camp.

The whaleboats outsail the sloop whenever there is any tacking to windward. Took snap shot of schooner (Steins) as we passed her under sail #5, Stein's sloop 11 1/100 B.s. 4.00 p.m.

September 11th,1909 (Saturday).

Weather:

M.T. + 34 +42° at 7.30 a.m. Cloudy, with light fog, southwest wind.

Birds:

Ningakshuk killed two young Gulls which flew over in the morning. A ♂ Willow Ptarmigan flew over camp just as we were embarking and alighted on mud bank on other side of river. Pikalo fired a rifle shot which made the feathers fly, but the Ptarmigan flew away.

Travel:

Sailed at 7.15 a.m. Fog became denser and breeze stronger. Grounded on shoal mud bottom about 8.30 a.m. and hadsome difficulty poling off. Cruised about looking for channel- apparently in an east and west channel about 3/4 mile wide, with mud island outside. Fog lifted about 1.00 p.m., and we had occasional glimpses of the sun for an hour or two, through clouds. Warm all day. Wind shifted to northeast about 3.00 p.m. Landed at 4.00 p.m. in a little bay at a sharp bend in the river (said to be a good fishing place). On south side of river here, are a few small spruces (3-6 feet high), the first ones I have seen this summer. From this point a long chain of hills became visible (said to be on mainland east of Mackenzie River).

Northern Shrike:

In the afternoon a Northern Shrike (Lanius borealis), alighted on our boat, clinging to the wire cable main-stay, soon flew to tip of yard, then across to cross-stay of schooner which was sailing alongside of us. The bird flew to land about 1/4 mile away, before I could get gun ready.

This was the first Shrike I have seen on the north w coast.

Birds:

A flock of ca.15 Hutchin's Geese (?) and 4-5 Snow Geese flew over during day, also a few Ducks (Pintails?) Heard Semi-palmated Ring Plover and saw some small Sandpipers on river bank.

Light sprinkling rain from 4.00 to 7.00 p.m. While making camp, numbers of small black flies or gnats buzzed about, flying into our faces. I preserved a few in alcohol. No mosquitoes have been seen for some time (Ningakshuk says that they were very bad here in the summer. An abundance of Mashu roots dug here. Wind shifted to northwest about 6.00 p.m.

September 12th (Sunday).

Weather:

M.T. + 40° + 40° at 9.00 a.m. Dark, cloudy morning. Wind northwest fairly strong.

About half a dozen Jackfish and small Connies caught last night.

Boiled Muskrat very good eating, no musky flavor; better meat than marmot.

Travel:

Misty rain all day with fog of varying density. Sailed at 9.00 a.m. Strong northwest wind all day; sailed well (in northeasterly direction for a few miles, then river channel made a sharp bend to northwest. Spent several hours tacking back and forth trying to round a small headland on left bank. Channel about 1/2 mile wide, but shoal on eastern side. Deep water about 200 yards wide close to west bank. After many tacks we often found we had lost ground, the current carrying us back more than we gained on the port tack. Finally tracked a few hundred yards around the point, then stood off to northeast across the big river, about a mile across, deep water (called the Mackenzie River or "Kuvik" by natives. Entered a narrow, deep winding channel leading to northeast about 6.00 p.m. and sailed, tacking back and forth until 9.30 p.m., at which time it was so dark we could barely see 50 yards. Landed in deep water close to north bank, cooked supper on shore, and slept on board sloop - seven people, much crowded in little 6 x 8 cabin.

A few flocks of Ducks and three or four Geese seen today.

September 13th,1909 (Monday).
Weather:

M.T. + 38 + 38° at 7.00 a.m. + 40° at 3.00 p.m. Cloudy all day. Light fog in early morning. No wind before noon. Afternoon very light southwest wind.

Four dogs had strayed away during the night,and delayed us about an hour starting.

Birds:

Numbers of Redpolls and Tree Sparrows in dense Willow and Alder thickets around camp. A pair of Ravens also seen and a few Gulls.

Travel:

Started at 7.40 a.m. drifting down stream with 2-3 miles per hour current. High land (steep hills about 100-150 feet high up from the waters edge, with rolling hills beyond)visible this morning about 2 miles ahead, called Tununok (Richard Island). A few heaps of wood on top of south end of island said by Ningakshuk to be old Kogmollik graves ("dead man cache"). This channel from northwest joins another channel from southwest at point of Richard Island; each channel 600-800 yards wide. About 500 yards from south end of Richard Island is a small,round, high island with steep banks (looks like a rounded mound from northwest and pyramidal from northeast), called Krekiktaraux. Found schooner party, our two whaleboats and a small steamer recently purchased from Hudson Bay Company by Krekiktok; also one whaleboat belonging to Kumak and a York boat to "Cockatoo" (Kokoktok). Kunok and Cockatoo will winter at Mr. Harrison's old quarters on Eskimo Lakes. Cockatoo formerly worked for Mr. Harrison. Camping place on mainland east of south end of Richard Island is known as Newariak (name for trap). Some fish are being netted here, mostly Jackfish,- one Jackfish caught today weighed 12-15 lbs. Palejak killed seven Ptarmigan across river on Richard Island; I saw one on this side; also a few Redpolls.

Many old graves on little ridge close to river here. Saw one complete skull (lower jaw) lying on the ground bleached white; also a few ribs, etc.

Ningakshuk decided tonight that he could not accompany us further with his sloop, fearing rough weather outside of the river. He intends to go back with Kunok and Cockatoo to the Eskimo Lakes.

Mr. P.L.Petersen with one whaleboat and Kublalok in another arrived here from Fort McPherson (left Fort September 8th). They stopped only a few minutes and

proceeded down the river bound for Kittigaryuit. Petersen says the second Hudson Bay Company boat (scow) did not come to Fort McPherson, but only to Arctic Red River. Hence our goods are probably at the latter place.

September 14th, (Tuesday).

Weather:

M.T.+ 38° +42° at 10.00 a.m. Cloudy. Light mist at 7.00 a.m. Tested some rifles at about 600 yards. Kunok has a fine .303 British rifle (with about 1000 rounds) left by Mr. Harrison; also a 6 mm. Krag-Jorgensen which he received from Capt. Amundsen (no ammunition for latter, however).

Birds:

Saw a Marsh Hawk and a few Redpolls and Tree Sparrows in the morning.

Paid Ningakshuk for his services in travelling thus far with us. I do not feel that I owed him very much,- the few goods we had on board were needed for ballast, and I helped sail the sloop. Gave him 52 plugs Black tobacco (10 2 5 lbs.); 4 1-lb. plugs "Big Nig", 6 pkgs. matches, about 20 cups of tea; 10 lb. sack rolled oats, etc.

Ilavinirk did some "gift-trading" with his old "partner" Kunok, giving him some matches, shot, etc., and receiving a kayak, etc. Kunok gave me a pair of water-boots. Cockatoo is going to Fort McPherson with first favorable wind and took some letters to mail for me. He also intends going to Arctic Red River, and I gave him a letter to Mr. Forbes Campbell, Hudson Bay Company there, concerning our goods. If Cockatoo finds them, he promised to take them along when he goes to Kittagaryuit early next spring.

Loaded all goods into two whaleboats (our own and Pikalo's) and sailed at 1.45 p.m., with very light northeast wind. Course of river for about 5 miles N.N.E. Boats pretty heavily loaded with nine people and twelve dogs. At a high headland on east bank (known as Kangik, a goose-hunting place), the river turns N.E. Six or seven miles beyong Kangik on east bank is a conspicuous, double peaked or "sway-backed" mound, rising up from flat land. This is called Aglishuktok ("The growing mountain") "It wants to grow big". (Behind Point Encounter, Richardson, I, 234), Ilavinirk says an old Kogmollick (still living) told him that when the latter was a boy the mountain was very small, but has been growing larger every year. On west side of the river, a little below this mound, a sand point projects out into the river, from Richard Island. This point is called Narluk, said to be good fishing place just below this

Caribou:
point. Ilavinirk says that long ago, when there were many caribou on Richard Island, the caribou used to swim across the river, to a little deep creek valley between two high hills.
Creek called Singigok or Singigyuak.
At this time many people used to live here, and when the caribou were swimming, would pursue them in Kayaks, and kill them with spears.

Ran into this little creek about 5.30 p.m. as northeast head wind was too strong for us to make much progress. Creek deep. Several large Anarkluk and Jackfish caught near creek mouth very soon after putting out nets. Palaiyok went after Ptarmigan; saw many but very wild. I saw a few Redpolls and Tree Sparrows in willow thickets around camp. Namayouk picked a mess of the black "Paunrat" berries.

Shrew:

A little shrew often showed itself in the boat during the afternoon, but evaded capture for a long time by slipping under the false bottom. When things were moved about in the boat, he would sometimes come out. Ilavinirk says he is apt to eat holes in skins or the oil pole. Finally the beast was captured after much rummaging. #341 Shrew (preserved in alcohol) 31376. Caught several greenish May flies ? which were continually falling into river.

September 15th, 1909 (Wednesday).
Weather:

M.T. + 40° +48° at 3.00 p.m. Bright sunshine at 6.00 a.m.
Birds:

Ptarmigan calling in the thickets. Flock of Redpolls around camp. Went after a flock of Willow Ptarmigan which alighted on high bank. They had scattered when I crossed creek and ascended hill; very wild, but killed two. Little bunches of two to ten Ptarmigan scattered everywhere over the little hills.

Marmot:

Several Marmots (Spermophilus sparryi) seen on highest ridge overlooking river.

Old graves and boat on summit.
Sailed at 10.00 a.m. Landed 12.15 p.m. at foot of high bluff on Richard Island known as Iglorutj. Two Eskimo tents here, Niamotuna and Nkoyak, good fishing place. Wind became stronger in afternoon, and as we would have it directly contrary E.N.E. after rounding the next point, decided to camp here.

Palaiyak and I went after Ptarmigan, killing nine Willow Ptarmigan. They were scattered all over the hills, feeding on little red berries (Kapmingnat). Redpolls rather numerous in willow and alder thickets along sides of bluffs. Shot one ♂ with slight pinkish tinge on breast and rump. Saw a few small black flies today on flats, evidently an old cut-off of river.

Caribou:

Saw a few old caribou tracks in mud about 10 yards from river and about five feet above present level. Caribou now rare on Richard Island; formerly common. Last month (August, 1909), Kunok saw a few caribou on flat lands on western side of Richard island, while sailing by in boat. The ground was so level that he could not stalk them successfully.

Three old graves on top of ridge here. Beside one well-preserved old grave (a heap of logs) was an old Kayak frame and a wooden chest. Beside another was a Kayak frame, part of an old umiak and a rusty Winchester rifle. This grave had the top removed and a skull and other bones were exposed.

Birds:

Eight swans seen swimming in river, but they flew up out of gun range as boats approached. Two Loons seen in little lake on island, also a March hawk (juv.)

Marmot:

Marmots very numerous.

Travel:

Ningakshuk arrived in afternoon with his sloop, entering a small channel (Igloratjat) about a mile above here on east side, and passing behind a large flat island, emerging about half a mile below here, and sailing up. He is on his way to Kittigaryuit to buy up some seal oil for winter.

Redpoll:

Skinned three birds in evening.
#342 ♂ Acanthis linaria Richard Island
#343 ♂ Lagopus lagopus " "
#344 ♀ " " " "

Ptarmigan:

The plumage of the Ptarmigan is very much variegated now. The heads of nearly all are streaked with white; and the backs usually blotched with white spots. The crops of most of the birds are filled with seeds and little red berries.

September 16th,1909 (Thursday).

Weather:

M.T.+ 36° +38° at 10.00 a.m. Cloudy; light rain began about 6.00 a.m. Very light breeze from northwest.

Beetles:

Caught two or three small black beetles around and inside tent; also a large black winged flying insect. Uinyuk caught two more beetles later.

Travel:

Whaleboat arrived from Kittigaryuit about midnight last night, Kublalok with Tiyakpauna's son. They reported very shoal water all the way and boat continually running aground. Storm kept getting worse all day.- after 2.00 p.m. and all evening a howling northwest gale with rain changed to snow - ground covered. Water rising all the time,about a foot since morning.

Bought a pair of moose-skin gloves (Itkillick make) second-hand, from Kubtalo for 3 plugs "Navy 5" and one package matches. Kubtalok is said to be an inveterate trader; he is somewhat deaf, and people have to shout at him. The old man Tiyakpanna (about 45 yrs.) with black beard and mustache,- father -in-law, is an invalid - continual coughing and hemorrhage from lungs (Tbc.?).

September 17th, 1909 (Friday).

Weather:

M.T. + 29 1/2° + 31° at 10.00 a.m. Wind northwest at 6.00 a.m., fairly strong. Sun shining. Water has risen about a foot since last night. Ground white with snow and thin ice on little ponds.

Redpolls singing in bushes.

Scenery has changed a bit since Wednesday,- then the hills were typically autumn, patches of green on alders, willow leaves bright yellow, large patches of bright red ground berry-plants, brown moss, etc; now it looks like winter. Flurries of snow all morning with brisk northwest wind. Sky cleared after 2.00 p.m. and weather moderated.

Birds:

Palaiyak and I went hunting. Flushed five Ptarmigan near camp and killed three; boy one. We soon separated, and I followed crest of bank around to northward. Saw a pair of Loons in long pond under hill and a

small flock of American Scaup Ducks Kahlutok (Aythya marila nearctica). Killed six of the latter, and wounded a seventh, which escaped by swimming into the tall grass on opposite side.

Muskrats:

Muskrats Kiraluk were very numerous; several houses, built of heaped-up grass stems, moss and mud, on edge of open water, all houses rather small; not over 18 in., above water and 2 1/2- 3 feet across. Killed twelve Muskrats in a short time, but only two large adults,- the others were about two-thirds grown (all males). Palaiyak came along later and killed three more rats, one adult male and one marmot.

Birds:

Flock of Redpolls seen in bushes and a few Tree Sparrows.

Muskrat

One Muskrat shot in big river from Kayak, in the evening. Marmots numerous everywhere on the hills, and Nuvaishak trapped two.

#346	31371 ♂ ad.	Muskrat	L.530	T.252; Hd.Foot	77.
347	31372 ♂ ad.	"	- 523	- 251 -	75
348	31373 ♂ juv.	"	435	212	73
349	31374 ♂ juv.	"	421	194	72
350	31375 ♂ juv.	"	418	195	70
351	♂ ad. Spermophilus parryi.				
352	♂ ? Aythua marila nearctica L. 17 5/8 W.7 1/16 T.2 5/8				

351 Spermophilus parryi (Specimen spoiled - disfigured) xx B (chord of culmen) 1 9/16; Ts.1 7/16 Ts. 2 3/4 Iris yellow.

Young ice forming around ponds before sundown. Ground covered with snow except on high places.

September 18th (Saturday).

Weather:

M.T. +25° +26° at 6.00 a.m. Clear sunshine. No wind.

Redpolls and Tree Sparrows:

Large flock of Redpolls and a few Tree Sparrows around camp in early morning.

Travel:

Embarked at 8.15 a.m. no wind, drifted with current until 10.45 a.m. Landed on west bank near a ridge about 20 feet high, called Aturunik. About 1/4 mile below this place a narrow branch of the river

runs westward, the stream followed in going to Kopuk. "Kopuk" is visible from Aturunik - a little creek said to come out from a range of low hills. Ilavinirk says no people live there now, but there are many old caches, and he has found stone knives, etc. there. He says this is the real Kopuk, properly speaking, although the whole interior of the delta is often called Kopuk.

Put out nets, caught one 15 lb. Connie and three or four smaller fish.

Sailed again at 2.00 p.m. Breeze freshened from northeast. Met the whaleboats, Tiktiak (Tirktak) and Augoshingak (Augostingak) with their families. Stopped to drink tea with them and eat some dried white fish ribs, and some very much decomposed w-f. blubber and muktok. Sailed 5.00 p.m. to 7.15 p.m. taking continually, against strong wind, and rough water. Water deep in broad channel, but shallow near banks. Tried to land at foot of a small line of conspicuous high bluffs, called Kittigarruity, but found that navigable water terminated abruptly about 20 yards from shore. Proceeded further and sailed into a narrow deep channel (ca 150 yards) wide following foot of bluff; low flat island outside creek runs east by north here, and the settlement of Kittigazuit proper is in sight. Shoal water all along near banks, but we finally got boats within 10-12 feet of shore, near eastern end of high ridge, about dark.

Chickadee:

Saw a single Chickadee in willows at Aturunik singing merrily. Followed him for a long ways from bush to bush, but he finally flew up into the air and went across to the mainland eastward.

Several graves on hill here - some old ones - one recent, Idtichiak (brother-in-law of "Shagelo George").

Birds:

Saw several Gulls, one flock of six Geese, and a few Gulls. Palaiyak killed one Pintail in a little creek. A large flock of Ptarmigan flew across the river westward just before dark. Took three pictures today:-

#6 Ningakshuk's sloop 11 1/100 Bright sun 11.00 a.m.
#7 " in Kayak, setting fish net 11 1/100 B.S. 11.30 a.m.
#8 Self (exposed by Ilavinirk) 16 1/50 B.s. 1.00 p.m.
#9 Lunch on shore, Richard Island 11 1/100 B.s. 1.15 p.m.

September 19th ,1909 (Sunday).
Weather:
M.T. + 31° + 32° at 11.00 a.m. Cloudy at 5.00 a.m. Stiff east wind. Water had risen nearly a foot since last night. Snow began to fall about 7.00 a.m. and very soon there was a howling snow-storm and ground thickly covered. East wind and snow all day.

Birds:
Pikalo shot six Scaup Ducks, one Old-Squaw (♀ or juv.) and a ♀ White-winged Scoter. Ilavinirk shot three Pintails and five Muskrats and Ningakshuk killed a few Ducks. The White-winged Scoter seemed to be unfamiliar to most of the people; Ilavinirk finally decided its name was Tunararok.

Spent most of the day skinning Marmot, rats and Ducks. The marmot was excessively fat, a layer of thick white fat from head to tail.
Scaup Ducks very thin; Scoter fat. Old Muskrat fat, young ones thin.
#353 ♀ Oidemia deglondi.

September 20th,1909 (Monday).
Weather:
M.T.+ 29 +30° at 8.00 a.m. Cloudy. Strong wind northeast or N.N.E. + 28° at 6.00 p.m.

Heard Raven croaking on hill this morning

Tide had fallen during night and we had to unload boat before we could shove her off. Sailed about 10.30 a.m. against stiff northeast wind. Ran into the harbor of Kittigaryuit about 1.30 p.m. Many old houses all along side hills for half a mile on each side of channel opening. Found three boats here, Petersen's, Ovayuak's and Jimmy's. A young woman named Panniyuk wife of Pannigablok who has been sailing Stein's sloop (now at Nenariak) died suddenly at 1.00 a.m. this, after a long siege of lung trouble (tbc.) (This woman described in V.S.'s "Trial marriage" story - Harper's May).
Petersen's stepson had taken boat down the coast a fewmiles and brought up the woman's brother and three other men. A rough box of old lumber and driftwood was made and covered with a piece of old sail. A grave about three feet deep, soil sandy-loam unfrozen as far as we dug down. Petersen says the ground thaws to a depth of about eight feet on hills near river, dug on top of the hill and the

woman buried about 3.00 p.m. Mangilanna (Nunatami) read a prayer and three songs were sung. The eastern Mackenzie Kogmolliks did not seem very familiar with the latter part of the ceremony. Nobody seemed to feel very badly - all took turns digging the grave, laughing and joking meanwhile, and came away talking cheerfully. The top of this hill is strewn with ruins of old above-ground graves (heaps of logs, sleds, umiak and Kayak frames). All the hills in the neighborhood on both sides of the river are similarly covered with graves. About twenty-five old house ruins on lower beach; one large house (ruined) called Kajigi said to have been used as a common eating place, and for a dance house, but not for sleeping. Petersen says that when he first came here in 1891 there was a dense population all over this portion of the delta. People here have put up plenty of whitefish (Beluga) meat (both dried and "buried") and blubber and muktok, as well as plenty of dry fish for the winter.

Petersen says he has caught enough fish every night in one net to feed his own family and Stein's with their dogs. Bad place for nets here, bottom rocky and current strong.

Tiriksina, the man who murdered Ilavinirk's brother-in-law a few years ago is here now,- a good natured looking fellow with an habitual smile. Spent most of the afternoon in Ovayriak's tent, with the whole male population, in a long-drawn out "course" dinner - dry fish and meat; tea and bread; boiled fish, tea again, boiled ducks and more tea. Ovayrak's two wives, Anaratjiak or Ilarok with the other women were kept busy cooking out doors, and eating in our tent. The senior wife Anaratjiak is a dignified woman with a rather pleasant expression; takes life rather easily, while Mrs. O. No.2 Ilaruk does most of the hard work. Ilavinirk remarked about the dead woman; "Too bad, because Pannigablok (her husband) him poor man, i.e., hard for him to "catch" another woman.

September 21st (Tuesday).

Weather:

M.T. + 28° +33° at 12 m. Dead calm in morning. Very light snow falling.

Breakfast outdoors.

Birds;

Two Pintails came drifting down river with the current and Palayuk killed one with rifle. Two Gulls also flew over. Ilavinirk traded one package matches for 1 1/2 prs. "Whitefish" boot soles.

1/2 plug Big Ny. for 1 pr.; 3 plugs "Navy 5" for 1 pair. Ovayuak gave him a Wolverine skin. Ovayuak is another of Ilavinirk's "partners", till death do us part. Gave Ovayuak 5(1/2 lb.)cans powder, 5 lb. shot, 250 primers, 6 packages cigarette tobacco, 2 pkg. matches, B. tobacco, etc. O. gave me ca. 10 lbs. dry fish.

The people here are enjoying a short holiday season- talking, trading and eating. Most of them have put up enough fish,dried meat and blubber for the winter; all have tea and tobacco and everybody is happy.

Petersen put out two new nets in afternoon and within two hours caught ten good sized fish in one net - one Connie weighing over 20 lbs.

Saw a large flock of Snow Buntings. Took picture of village #10 11 1/50 Ds. 2.00 p.m.

September 22nd, 1909 (Wednesday).

Weather:

M.T. + 28° + 30° at 8.00 a.m. Clear at 6.00 a.m. Wind southwest.

Redpoll:

Saw small flock of Redpolls in bushes back of camp.

21 fish in net - Connies Pikuktoak and one Anarkhluk. Sailed 9.30 a.m. with fair wind. Landed about 12 m. at Kangianok (nik). Two tents here.

Mungilaluk and older man Kunuktuayuk. The former a young man with light brown eyes and reddish mustache is brother of the recently deceased woman Panniyuk. One young woman here has light gray eyes, and her two children also - the younger child's eyes have a tinge of bluish. Petersen says he has known the man since the first ship came here and is positive he has no "white" blood, fathers of both were Hudson Bay Company white men. These people gave us some dried fish and we gave them a little tobacco and one package matches. "Jimmy" sailed from here early in the morning. We started again at 2.00 p.m. with wind constantly increasing. About 4.00 p.m. we were out of sight of land for some time in a blinding snow storm. Soon it cleared again and wind shifted to northwest. Passed two conspicuous hummocks on flat land, one (double pointed) near coast and the other

further back (four points) known as Ivruk. Reached Tukturaktok, or Tuktuyaktok (Kogm) about 12-15 miles south of Toker Point and anchored in a fine, deep harbor about 6.00 p.m. Two tents here, ten people, an old man Oyunginya with daughter Mammayouk about 12-13 years and married daughter Airiyona with baby and son-in-law Kalikotak. Another tent belonged to Taulana with his wife Attawauk a little orphan girl and one old woman Kangiranna (Taulana's mother).

September 23rd, 1909 (Thursday). Camp at Tukturoktok.
Weather:

M.T. + 26 + 27° at 8.00 a.m. + 23° at 5.30 p.m. Strong northwest wind; heavy sea. Cloudy, with occasional gleams of sunshine.

We arrived too late last night to set nets, but people here gave me a string of about fifteen fish last night and the same this morning. Set three nets this morning in deep water close to shore, near entrance to harbor; deep water in a narrow bay for a long way inside. Ilavinirk says Capt. McKenna took the "Charles Hanson", - a two-masted schooner, inside this harbor and wintered. Stein's house near here, also Ovayuak's winter house and cache. Ovayuak is going into the delta to place his whaleboat in winter quarters, and will return here later by sled. He said that if either Mr.Stefansson or myself came past here this winter to take what fish we needed for dog, food, as he had plenty. Ovayuak, Petersen et al, strongly advised us to put our whaleboats into winter quarters here, where plenty of fish can be caught until we can proceed eastward by sled. They consider it impossible to reach Baillie Island this late in the season; and this is the last good harbor. East of Warren Point there are shoals for miles off shore, and we are apt to get caught by young ice any day, far off shore.

Birds:

A small flock of Snow Buntings and a few Gulls seen in the morning. Went hunting for three or four miles southward near coast. Ice almost strong enough to bear up a man on small ponds.
Many old houses, and old graves on every hill. Saw one flock of about twenty Willow Ptarmigan; rather wild, but killed three. Saw two or three flocks of Snow Buntings. Palaiyak killed one Rock Ptarmigan and one Black Brant earlier in the day. A few Gulls seen. "Jimmy" with Kumauna and Sipaiyuk, alias "Sweeney" came across from their camp at Tapkok and stayed several

hours. Colder every hour; occasional flakes of snow in the air.

September 24th,1909 (Friday).
Weather:

M.T. + 20° + 21° at 8.00 a.m. Cloudy, wind north west.

About thirty fish in nets this morning. Started at 10.00 a.m. to sail across bay to Jimmy's camp near Toker Point with lightened boat, but center-board was frozen in, so that we could not lower it, and we could make little headway by tacking against a strong head wind. Boat kept drifting to leeward, and after advancing about half a mile, had to turn back. Wind much stronger in evening and snow falling.

Moved camp to higher ground. Wall tent is too large and thin to keep warm, so we put up a round Eskimo tent, using part of deerskin tent, old drilling tent, throwing the two wall tents (our own and Pikalo's) over the top of all and placing blocks of turf all around bottom outside. Ilavinirk's dog Shukobruna pulled out a fish net today and stole fish, also tearing net. The nets are set off shore, the further end anchored with a stone (about 15 lbs.) and the near end fastened by a rope to post on shore. The dog pulls out net by grasping rope's end in his teeth, pulling it in a little way, then taking a fresh hold and pulling it in further. We set the nets by taking a long, slender pole, 10 to 20 fathoms long made of spliced drift timber. The end is inserted in a loop at outer end of net, the net shoved out as far as desired, and the pole released by a quick, sharp jerk. At intervals the net is pulled in and the fish removed,- a slow, "cold-finger job", as the fish get all tangled in the net by gills and fins. The small "Bull-heads" or Scalpins cause much annoyance. There are usually half a dozen in the net at each haul, and their spine - are very hard to disentangle, and cause painful wounds.

Palaiyuk found a small slate stone ulu,(woman's knife) while breaking off turf banking from an old house today.

September 25th,1909 (Saturday).
Weather:

M.T. + 20° + 21° at 8.00 a.m. Howling gale from northwest. Snow flying and drifting deep. Wind drives sleety snowflakes so hard that they sting badly when facing wind.

Fish:

About forty fish (mostly small Connies, and a few Anarkhluk) in two nets (one not half washed up on shore); another net lost by rope breaking. Fished for it with

grab-hook for about an hour, caught it several times, but it was buried too deeply in sand and gravel to pull it up. Pikalo lost another old net in the afternoon. Thirty-five fish in two nets this evening. Shukobruna had pulled one net half out again and eaten fish; chained him up later. Our neighbors caught about 50 fish in the morning and about the same number in the evening in two nets.

Strong wind and drifting snow all day;wind moderated a little towards evening. Slush ice floating near shore all along bay in afternoon.

Kalikotak spent one winter (1905-6) in Prince Albert Land with Capt. Chr. Klingenberg,and winter of 1907-08, with Capt. Wm. Mogg in "Olga". He spent hours telling stories about the queer customs of the "Kogmolliks" in Prince Albert Land, and often had his hearers convulsed with laughter. Kalikotak told me that he saw no caribou or Musk-oxen on Prince Albert land, but saw many Musk-ox skulls lying on the ground.

He said the Kogmolliks told him there were plenty of Musk-oxen, caribou, Polar Bears and White Foxes on Banks Land.

Muskrat:

Dogs broke into cache last night and chewed a wooden box to pieces to get at some fresh skins inside (all the skins taken on Richard Island - Nos. 346 to 353), five muskrats, one marmot, one Scaup Duck and one White-winged Scoter.

September 26th, 1909 (Sunday).

Weather:

M.T. + 28° + 30° at 8.00 a.m. Cloudy. nLight northwest wind. Young ice half way across lagoon; loose floating in thin cakes .

Fair catch of fish in nets.

A seal had partially eaten a few fish; one seal seen in lagoon.

Birds:- Gulls

Three or four Gulls hovering about nets, occasionally alighting on beach to pick up a Sculpin; one shot.

Cleaned most of snow and ice out of boats; thickly coated with ice and icicles outside. Moved boats around into a narrow deep harbour about 1/4 mile southeast, which leads into a long lagoon extending towards the two large hummocks known as Ivruk. Hauled boats well up on land. Left boats

right side up, according to native custom. The whalers usually leave their beached boats bottom side up, but Ilavinirk says that if someone does not look after the boats when sun comes out hot in the spring, the bottoms are apt to crack. Three boats passed us here today and landed for a few minutes, "Jimmy" and Sweeney" in J's boat; "Jaw-bone" and family; and Kumauna and family. Boats cached near houses where Ningakshuk and Stein lived last winter; the latter's house has fallen down;

Flock of Ptarmigan seen.

Sky partially clear at 9.00 p.m.

September 27th, 1909 (Monday).
Weather:

M.T. + 24° + 26° at 8.00 a.m. Cloudy in morning. Young ice extends clear across lagoon, and some distance off shore outside.

Fish:

A few fish in nets, but nets heavily clogged with ice.

Birds:

Went hunting in afternoon and saw six Ptarmigan and got one ♂ Rock Ptarmigan; plumage nearly white a few brown feathers on back and head. Killed another but it fell out on thin ice of lake where I could not get it. Eikalo killed two ♂ Rock Ptarmigans; one nearly white, the other with much brown on back.

Shot Snow Bunting out of a large flock feeding on weed seeds; very fat #355 ♂. Two or three Gulls seen.

Spermophile:

Shot a Marmot near hole on high bank of lagoon. #354 ♂ Lapopus rupestris.

September 28th, 1909 (Tuesday).
Weather:

M.T. + 15° + 18° at 8.00 a.m. Clear bright sunshine. Wind southeast at 5.00 a.m. Southwest at 10.00 a.m.

Shrew:

A ♂ Shrew was caught in one of the houses this morning and brought to me. It was badly mangled, however (called Ugrunak) #356 ♂ Shrew 31363.

Young ice solid clear across lagoon, and most of sea as far as we can see. A few small leads of

blue water near shore. Warm during forenoon. Snow melting slightly. Young ice blown in toward shore; open water outside (about 1/4 mile from shore). Cloudy in later afternoon and evening.
A few Gulls seen.

September 29th, 1909 (Wednesday).
Weather:
M.T. + 17° + 29° at 8.00 a.m. Cloudy. Light snow falling. Brisk northwest wind.

Shrew:
Caught female shrew in trap set in old ruined house #357 ♀ Shrew 31364. L.87 mm. 27 - 11.

Wind shifted to southwest in afternoon; still cloudy. Partially clear at 10.00 p.m.

Snow Buntings:
Saw a large flock of Snow Buntings while visiting traps. Palaiyuk tracked a Mink to its hole and set trap.

September 30th (Thursday).
Weather:
M.T. + 15° + 18° at 8.00 a.m. Wind northwest. Light snow during night. Sunshine, with a few clouds, in morning.

Mouse:
Caught a large Mouse in trap set in fish cache. Color grayish brown above, silvery gray below; tail distinctly bicolor. #359 ♂ 31357 Arvicola ? sp. 148 - 35 - 20.

Shrew:
Also caught a male Shrew in trap set in hallway of old house; bait, old bacon rind. #358 ♂ Shrew, 31365. 89 - 25-11. It is difficult to kepp out a line of small traps as the snow sifts in everywhere and soon covers them up. Caught another Shrew in evening, same trap which had Shrew in morning. #360 ♀ Shrew, L. 90 mm. T.26; H.F.11. 31366.

Show Bunting:
Flock of Snow aBuntings seen. Wind strong after 3.00 p.m. and snow drifting.

October 1st,1909 (Friday).
Weather:
M.T. + 23° + 29° at 10.00 a.m. Cloudy. Wind northwest, fairly strong.

Three Gulls seen hovering over bay.

Nothing in traps this morning.

Spermophile:
Dogs had disturbed some mouse traps, Marmots had sprung two or three, and several were buried in the snow; two traps lost in snow. Sleety snow in evening, about 10.00 p.m.

October 2nd, (Saturday).
Weather:
M.T. + 27° + 27° at 8.00 a.m. Surface of ground, snow, grass, etc. covered with sleet. Fine snow falling now. Wind strong northwest. Snowing and drifting all day.

Nothing in my traps.

Mouse:
Old man caught a large mouse in trap set in his house. He says the mice run all around the place after the people have gone to bed.
#361 ♂ Mouse (Arvicola sp.) 135 - 32 - 19. 31358.

October 3rd, (Sunday).
Weather:
M.T. + 26° + 30° at 8.00 a.m. Cloudy. Light northwest wind. Snow drifted very deep in places during the night. Lost several small traps, the snow burying markers and all.

October 4th, (Monday).
Weather:
M.T. + 23° + 23° at 8.00 a.m. + 20° at 1.00 p.m. Cloudy. Brisk northeast wind.
Traps all empty today.
Gull hovered around tents in morning, alighting once within 10 feet of tent, but was soon scared away by dogs.
Our supply of fresh fish gave out today, have been unable to set nets since freeze-up Sept. 27th. Ice not yet strong enough for "nixeying".
Developed a bunch of ten negatives today (last exposed Sept.22); fairly good negatives, although "time limit" for use expired Oct. '08.

October 5th, (Tuesday).
Weather:
M.T. + 17° + 17° at 8.00 a.m. Cloudy, light snow falling. Light northeast wind.

Mouse:

One large mouse in trap set in old iglu - (arvicola sp.). Snow has been drifting continuously for several days so that all holes and runways are covered up and tracks are soon obliterated. #362 ♂ Mouse 150-35-19, 31359.

Neighbors have been working all day removing fish (partly rotten) from cache (logs forming square pen above ground); to elevated rack. Fish only partially frozen in cache.

October 6th, (Wednesday).

Weather:

M.T. + 13° + 15° at 8.00 a.m. Light northeast wind.

Nothing in traps today. Ilavinirk went up creek a fewmiles toward the hills, and cut some green alders (ca. 1-1 1/2 in. diam.) also some red willow for mending snow-shoes. Alder bark is scraped off, cut up fine, and soaked in water to stain wolverine skin dull red (on flesh side).

Sun came out brightly for about five minutes in afternoon (first sight of sun since Sept. 22); immediately followed by small snow-storm.

White Fox:

The old man caught a White Fox today; skin poor, white outer hair, but bluish underneath; said to bring full price ("5 skins") at Fort McPherson, however.

Wind died down in evening.

October 7th, (Thursday).

Weather:

M.T. + 15° + 17° at 8.00 a.m. Wind southwest.

Mouse:

Caught one mouse in trap set in old iglu. #363 ♂ Mouse 125-27-19, 31360.

Kumanna, wife and child came across from Toker Point by sled, bound for Eskimo Lakes. He reports that sea is open up to the beach (no shore ice for sled travel) for some distance this side of Toker Point.

White Fox:

Kumanna had two Foxes on sled, caught yesterday, one skin very good, perfectly white; one bluish tinged on tail, hips and shoulders. Bright sunshine for several hours during middle of day. Palaiyuk caught one-pound connie through ice, one little girl

caught Sculpin.

October 8th, (Friday).
Weather:
M.T.+ 5° + 13° at 8.00 a.m. Hazy sunshine. Wind from south very light all day. Cloudy after 9.00 a.m.
Mouse:
Old man caught one mouse in trap set in his tent. #364 ♂ Mouse 126-31-19 31361.

Put up four upright posts about seven feet high, for frame of cache, near boats, close to Ningakshuk's and Stein's old houses. Nixeyed for fish most of the day; six men caught about 75 fish all Connies ( ). Average weight, about 4-5 lbs., four or five one-or-two pounders; and about a dozen 7-8 lbs. Largest fish caught by myself, weighed 10 1/2 lbs.; second by Kumanna 9 1/2 lbs. a few Sculpins also caught. Kumanna using a shiny brass "nixey" hook, caught as many fish as all the rest of us together (we all used ivory or white bone hooks).

Strong tide current running out all day; a space of open water about 20 x 50 feet in center of lagoon entrance, with thin clear ice around its edges; fish all caught through holes in this clear ice, at edges of the swift current. Kalikok caught a fox today a poor skin, back, shoulders and hips almost Maltese gray, and much bluish gray hair and tail.

October 9th (Saturday).
Weather:
M.T. + 14° + 15° at 8.00 a.m. Very light south wind. Hazy sunshine in morning.
Mouse:
One large mouse in trap in old iglue. #365 ♂ mouse 144 - 39 - 20, 31362.

Fished until about 2.00 p.m. when fish stopped biting. About 50 connies caught, one Loche (Titallok) many Sculpins.

Bright sunshine all day, after 9.00 a.m. Brisk south wind in eveing; clear and cold. Amora borealis bright.
Ptarmigan:
Flock of eight Ptarmigan flew over fishing place, and across bay; looked pure white, two or three apparently had a few brown feather spots on back.

caught Dunlin.

October 8th. (Friday).

Weather:

S.E. + 8° + 13° at 9.00 a.m. Very showery.
Wind from south very light all day. Cloudy after
9.00 a.m.

Morning:

Old man caught one Morse in trap set in his
tent. #866 & Morse Inc-31-15 Sibel.

Put up four upright poels about seven feet
high, for fixing of cords, near boats, close to
Ridgeborn's and Stein's old Morses. Mixayed for
fish most of the day; six Net caught about 7½ fish
all Cownies ( ). Average weight about 4-6
lbs., four or five one-or-two pounders; and about
a dozen 7-8 lbs. Largest fish caught by myself,
weighed 10 ½ lbs.; second by Runsens 9 ½ lbs.
a few Dunlins also caught. Runsens taking a shiny
brass "mixey" hook, caught so many fish as all the
rest of us together (we all used ivory or white bone
hooks).

Strong tide current running out all day; a space
of open water about 20 x 60 feet in center of lagoon
entrance, with thin clear ice around the edges; fish
all caught through holes in this clear ice, at edges
of the swift current. Baitfish caught a fox today
a poor skin, back, ptarmigan and big almost Yellow
grey, and much thicker grey hair and tail.

October 9th (Saturday).

Weather:

S.E. + 14° + 16° at 8.00 a.m. Very light south
wind. Hazy sunshine in morning.

Morning:

One large Morse in trap in old igloo. #866 &
Morse 144 - 39 - 50. 21358.

Fished until about 8.00 p.m. when fish stopped
biting. About 60 nonlen caught, one loche (Tittalick)
many Dunlin.

Bright sunshine all day. After 9.00 a.m. Brisk
south wind in evening; clear and cold. Aurora borealis
bright.

Ptarmigan:

Flock of eight Ptarmigan flew over fishing place
and across bay; looked pure white. Two or three
apparently red and a few brown feather spots on back.

October 10th (Sunday).
Weather:
M.T. + 3° @ 14° at 8.00 a.m. Wind from south. Bright sunshine all day, rather cold.
Only one man fishing today; he caught about 20 fish.
Our people observed Sunday by playing checkers all day, women and children played football and "pull-away" most of the afternoon on snow-covered ice.
Cloudy in evening; very dark in the north.

October 11th (Monday).
Weather:
M.T. + 13 = 23° at 8.00 a.m. Cloudy. Very light south wind in morning; calm afternoon.
Very few fish caught today; tide rising all morning.

White Fox:
Palaiyak caught an Arctic Fox in traps this morning; fur rather bluish on back; white below. Nothing in small traps today.
Spermophile:
Palaiyak shot a Marmot at entrance to its burrow, near camp; tore it all to pieces with .44 bullet.
Four sleds arrived about noon from Kaugianok. Two sleds went on to Toker Point, "Jimmy" and remained here. "Jimmy" brought me a letter from John Gruben at Kittigaryuit.
Reports dog "Whiskey" fat and well. Mr. [illegible] stein and he had a slow voyage from Herschell Island. Mr. P. L. Petersen now at Kaugianok.

White Fox:
#366 Arctic Fox ♂ L. 825; T.285; HF. 144 mm. 31335.

Sleety rain began to fall about 6.00 p.m. and at intervals all evening + 28° at 6.00 p.m. Wind at 11.00 p.m.

October 12th (Tuesday).
Weather:
M.T. + 22° + 22° at 8.00 a.m. Northwest wind. Foggy in early morning. Clear at 8.00 a.m.

Palaiyuk and I took sled and four dogs across to Kaugianok and got our large kettle which Petersen had brought from Kittigaryuit. Trip across (ca. 7-8 mile) took 2 1/2 hours, and about the same time coming

October 10th (Sunday).

Weather:

M.T. + 3° @ 14° at 8.00 a.m. Wind from south.
Bright sunshine all day, rather cold.

Only one man fishing today; he caught about 20 fish.

Our people observed Sunday by playing cheerful all day, boats are either played football and "pulling" most of the afternoon on snow-covered ice.
Cloudy in evening; very dark in the north.

October 11th (Monday).

Weather:

M.T. + 1° @ 3° at 7.00 a.m. Cloudy. Very light south wind in morning; calm afternoon.
Very few fish caught today; tide rising all morning.

White Fox:

Telatyck caught an Arctic Fox in trap this morning; fur rather blotch on back; white below.
Hotaling in small traps today.

Ornithology:

Telatyck shot a Harfot at entrance to its burrow. Near camp; tore it all to pieces with .44 bullet.

Four sleds arrived about noon from Kangianon.
Two sleds went on to Tuker Inlet. "Jimmy" and remained here. "Jimmy" brought me a letter from John Graben at Littleperuit.

Reports the "Whaley" fat and well. Mr.

Stob and he had a slow voyage from Herschell Island.
Mr. I. L. Peterson now at Kangianon.

White Fox:

Three Arctic Fox @ L. 88c; T.55c; HT. 144 mm.
31336.

Steady rain began to fall about 8.00 p.m. and at intervals all evening + 88° at 6.00 p.m. Wind at 11.00 p.m.

October 12th (Tuesday).

Weather:

M.T. + 88° + 2°° at 8.00 a.m. Northwest wind.

Foggy in early morning. Clear at 8.00 a.m.

Telatyck and I took sled and four dogs across to Vanselcox and got our large kettle which Peterson had brought from Littleperuit. Trip across (ca. 7-8 miles) took 2 1/2 hours.

back. Ice solid, rough in places. Carried about 100 lbs. of goods back here for Mr. P. Mr.Stein is building a winter home at Kittigaryuit and John Gruben is working for him temporarily. Wind fairly strong from northwest until about 1.00 p.m., calm in afternoon and evening.

Kumanna and family started for Eskimo Lakes today.

October 13th (Wednesday).

Weather:

M.T. + 17° + 22° at 8.00 a.m. Light north east wind. Light fall of snow during night and snow falling at intervals all forenoon.

Finished making sheet-iron camp-stove. Very few fish caught today.

Jimmy, Attayuk, et al, three families, moved on to Toker Point today.

October 14th, (Thursday).

Weather:

M.T. + 24° + 24° at 8.00 a.m. Heavy snowfall during the night, and snow falling all day. No wind. Warm weather; tent dripping water all day.

Mouse:

Caught two mice, small reddish species, in traps which have been set in old iglu for two weeks without having been touched before last night.

#367 ♂ Mouse 106-20-17, 31349
#368 ♂ Mouse 105-21-17, 31350

Snowing heavily until after 10.00 p.m.

October 15yth (Friday).

Weather:

M.T. + 21° + 22° at 8.00.a.m. Wind northwest fairly strong; snow drifting + 14° at 3.00 p.m.

Finished making five dog harnesses (Massinka style). Sorted over goods in cache, picking out stuff to be taken eastward.

Shew:

Killed one Shrew in cache, but it was badly torn and mashed;

Mouse:

Mice had eaten a hole into a skin of blubber and muttok; also killed a small Red Mouse.

#369 ♂ Mouse 110-23-16,- 31351. Three or four mice seen in cache.

Snow loose and soft; mushy under foot on salt ice.

October 16th (Saturday).
Weather:

M.T. + 9 + 10° at 7.30 a.m. Somewhat cloudy, but clearing up. No wind. Wind northwest in afternoon. Thick fog or snow haze + 21 at 6.00 p.m. Moved goods (four heavy sled loads) about 1/2 mile to rack near our boats. Square rack, with three uprights on each side; covered with tent and pieces of tarpaulin lashed down. Cached here; 1 poke seal oil, 50 lbs. flour, about 10 lbs. beans, a few pounds Pearl Barley, 60 lbs: Navy five 30 lbs. plug; 15 lbs. tea; 1 tin matches; about 20 lbs. powder, 20 lbs. shot; 250 12 g. shells; .35 rifle, 22 rifle; 129 shotgun (hammerless); 26 large frozen fish; besides spring collecting gear, chests, etc., tent, 1 stove, summer clothing, etc.

October 17th (Sunday).
Weather;

M.T. + 12° + 22° at 8.00 a.m. Wind southwest. Sky clearing in the east + 20° at 4.00 p.m.

Moved camp northeast across bay to Tapkak, 1 1/2 hours travelling over rather rough ice and soft slushy snow. Two tents here, "Jimmy", "Sweeney" and Kupmanna. Mungilaluk and an old man living in a house, about 1/4 mile up lagoon.

Plenty of fish caught and cached here last summer; none caught now.

Wrote letter to American Museum (Dr. H.C.B and left it with Taulana to send down to Fort McPherson this fall.

October 18th (Monday).
Weather:

M.T. + 4° + 1° at 7.30 a.m. Stars shining brilliantly at 4.00 a.m. Somewhat foggy at 7.00 a.m. No wind. Dense fog after 8.00 a.m. cleared off somewhat by noon, bright afternoon. Sunset 4.00 p.m.

Started 11.30 a.m., stopped at two houses (Mungilaluks , -----) for about an hour. From here Attayuk accompanied us with sled as far as his cache near Toker Point (Impnaluk). Camped 3.45 p.m. Attayuk found two Foxes in traps set yesterday,- one in dead fall; one in steel trap; one skin good; the other a little bluish yet.

Plenty of driftwood all along beach. Ice slushy under snow. Freshwater pond about 100 yards east of camp. Landmarks here - two large, isolated mounds or round hills,one ca. 1/4 mile inland - one hill with double peak ca. 1/2 mile inland.

Ilavinirk gave one pup to Oyunginya as compensation for an old dog crippled by getting toes of one foot into Palaiyuk's fox-trap about two miles from

camp. Ilavinirk was worrying because people had told him that the "policeman" could make him give Oyunginya his large dog for damages. Kupmanna particularly urged us to stay unfil tomorrow, when he would accompany us some distance east; said he had plenty of fish, and would feed our dogs if we would stay. As he and Jimmy had known for four days when we were going, I decided not to delay further for them. Ilavinirk traded 2 fathoms ticking, 5 plug Bk. Tobacco; 1/2 package matches for two fox skins.

October 19th (Tuesday).
Weather:

M.T. - 6 -5 at 7.30 a.m. Rather thick fog, but sun faintly visible near eastern horizon, no wind. Dense for about an hour 12 m - 1.00 p.m. Bright sunshine 2.00--4.00 p.m. + 1 at 4.00 p.m. -3° at 5.00 p.m.

Travelled 10.00 a.m.- 3.00 p.m. Passed Toker Point Impnatuk at 12.00 M.,- a low bluff, with long sandspit running south or southwest, enclosing a lagoon. Heaps of young ice cakes 6-8 feet high along sandspit and another ridge about 1/2 mile out; open water barely visible edge of ice grinding heavily, plainly heard. Toker Point marked by a single large round hill about 1/2 mile inland, 3-4 miles from two hills camped by last night. A succession of low cut banks along shore east of Toker Point, a few higher hills inland. A narrow, rather deep bay about 2 miles east;at east side ice thin, and a little open water near point. Just beyond this bay is another bay about two miles wide, with two or three islands on east side of bay. Camped on sandspit of first island; some old house ruins on higher ground. Camped early, loads heavy, dogs "soft"and easily tired. Sledding better than yesterday, snow less deep, over ice formed after first heavy snow storms; very little slush under snow. Two or three old houses just east of Impnaluk. Attuyak left us and camped just east of Impnaluk, intending to trap here for a little while. Light southwest all afternoon.

October 20th (Wednesday).
Weather:

M.T. - 12. o° at 7.30 a.m. Sun shining brightly. Small fog or snow haze. Light southwest wind. Bright Aurora borealis (Nigoia) last night (at 9.00p.m.). No lights due north, but to eastward a fan-shaped mass of irregular-shaped streamers extended up about 60° toward zenith. To westward a semi-circular bow (elev.of top about 60°) with two smaller secondary bows beneath,stars

brilliant. + 12° at 5.00 p.m.

On trail 10.30 a.m. - 3.45 p.m. Everything at odds in morning - all natives in party delaying start by every pretext, hoping "Jimmy","Sweeney", Kumanna and party would overtake us, and I trying to move things along to keep ahead of the other gang if possible. Stopped about noon at Igluk, two old houses on top of high bank; fresh water in pond about 200 yards inland. Caught glimpse of three sleds across bay 3-4 miles behind. Snow began to fall about 2.30 p.m. and objects became indistinct on land. Made camp at Mumirkpagir(w)ik ("big dance place") an old time mealing place of Baillie Island, Kittigaryuit and Kopuk people. Old house and upright poles of very large house (or rack) here now, on high bank. Camped in leeward of point northeast of house.

White Fox:

Many fox tracks seen on ice today.

October 21st (Thursday).

Weather:

M.T. + 9° + 14° at 7.00 a.m. Wind light. southwest. Cloudy, light snow falling. Snow soon stopped, light fog until about noon, cleared up about sundown 3.45 p.m. On trail 9.30 a.m. to 4.00 p.m. Took all day to follow around shore of large bay, about 15 miles around, fog too thick to see across bay. Ice rough outside, piled in ridges of young ice; in general, ice about 4-6 inches thick. Somewhat slushy under snow today. Country low and flat; occasionally a large, rounded isolated pingok. Palaiyuk says each hill has a local name, but he has forgotten most of them. He was born hereabouts.

Found piece of fresh whale's lip on ice of bay, much gnawed by Foxes, killed this year.

Camped near old fish stage near a conspicuous dark hummock "Iglumiktaluk"(Jimmy) on east side of bay. Stars out brightly in evening, wind fresh from southwest.

October 22nd (Friday).

Weather:

M.T. -12° -5° at 6.45 a.m. Clear sunrise. Wind southwest very light in forenoon; fresher for an hour or two 2-4 p.m.; lighter after sundown + 10° at 5.00 p.m. Bright sunshine all day.

Started at 10.00 a.m.

Wolf tracks near camp.

Ivory (?) Gull flew over from mainland shortly after 10.00 a.m., and soon after two Willow Ptarmigan

flew over sleds from front, hesitated a moment just above us, and alighted about thirty yards behind us. Killed both.

Crossed large bay keeping about one mile from shore. Ice rough, a few tide cracks, with open water. Pup fell into one crack while crossing and had to be fished out and rolled in the snow to dry off. Wind freshened from shore and Ilavinirk became alarmed, fearing the ice would break away from shore.

Made camp about 4.00 p.m. at Nuvurak, a sharp headland, Point Atkinson of Richardson, Phillips Island on chart - H.C.Slate, between two large bays, a small ridge of hills separated from hills further back by a broad expanse of low flat land. Several old houses, large and small apparently remains of ship's winter quarters. One grave marked by white painted board "In memory of James Leary, born 18--, died Aug. 3, 1896". Ilavinirk says he was here on Jeannette at the time; ships detained by sou'wester; deceased was captain's boy on Bark "Wanderer", Capt. Simmons.

Ilavinirk killed seven caribou here, inland, at same time.

Seal: Several broad, long leads of open water close to shore, off point here, and extending about half a mile west; several seals seen in the water.

Ptarmigan:

Three Ptarmigan alighted on beach just before dark, but none were killed.

Nuvarak is said to have been on old Eskimo whaling station. One old carcass on beach here now, very old.

October 23rd (Saturday).

Weather:

M.T. - 10° -4° at 7.00 a.m. 0° at 9.00 a.m. Clear. Strong southwest wind. Air full of bright dazzling frost crystals. East wind opened out lead very wide to westward. Large ice visible 2-3 miles off shore. Small group of hills at this point are rounded dunes of fine sand; sparsely covered with grass; isolated from higher ground by 2-3 miles of flat land. Stayed here today to try to shoot some seal, but lead of open water was too wide today and none were seen. "Jimmy", his wife and boy Piktokanna 8-10 years old arrived about 3.00 p.m. one sled, five dogs. Reports that "Sweeney" and Kupmanna had crossed to Eskimo Lakes. Wind very strong in evening, snow drifting hard + 10 at 2.00 p.m.

October 24th (Sunday).
Weather:
M.T. + 3° + 18° at 7.30 a.m. Cloudy. Wind fairly strong southwest, lighter in afternoon. Clear sunshine after 11.00 a.m. and colder -2° at 5.00 p.m.

Travel:
Started at 10.00 a.m. and worked east and southeast until 3.00 p.m. around shores of a large deep bay (Kangikkluk) a place on east side of bay. Camped at an old iglu Kangikluk near some high sharp pointed sand hills at foot of bay. "Jimmy" and Ilavinirk scouted inland while we were making camp. This is the beginning of an inland "portage" route, said to traverse a chain of lakes across the peninsula and reach the south end of Liverpool Bay near Nicholson Island. Distance said to be "one, two or three sleeps" no wood en-route. Scouts reported snow very deep and soft everywhere; without snowshoes a man sinks, over his knees anywhere. Warmer, and cloudy in evening.

October 25th (Monday).
Weather:
M.T. -2° + 14° at 7.00 a.m. + 3° at 5.00 p.m. Clear all day.
Travel:
Moved out at 9.30 a.m. traveled north nearly all day (until 2.00 p.m.) along east side of Bay. Made camp at point (ridge of hills) Cape Barrow ?, where coast line bends sharply to eastward. Much open water near point. Made camp early, to try to hunt seal.
Seal:
A few seal seen. Jimmy shot one Seal but could not get it out.
Ptarmigan:
Palaiyuk saw four Willow Ptarmigan on mainland and killed two.
Fox:
Many Fox tracks seen running out on ice.

Light northeast wind all day. Cloudy and warmer after 9.00 p.m.
Birds:
Saw large White Gulls (or Snowy Owl) far away, over water. Ilavinirk saw flock of seven Old-squaw ducks.
One pup died today - run over by sled yesterday.

October 26th (Tuesday).

Weather:

M.T. + 3° + 19° at 8.00. Cloudy, wind northeast, light. Clear 10.00 a.m. - 2.00 p.m. Cloudy later + 1(° at 2.00 p.m.

Bowhead:

Went out and cut 300-400 lbs. of dog food from an old Bowhead whale carcass stranded on a sandbar about 1 1 2 miles northeast. Carcass was three or four years old and Jimmy had cut meat here last winter. Only a small portion exposed. A few bleached ribs, cleaned by Foxes, etc., bulk of carcass buried under sand below water's edge. Skin very dry and tough on surface, and cut edges weathered and frayed out; 2-3 inches below surface blubber fairly good, oily; good red meat below, somewhat tainted, but eaten with avidity by dogs. Very hard work cutting out meat; skin very tough, cuts like sole leather, and blubber very tough and stringy, quickly dulling axe or knife.

Fox:

Many fox tracks around carcass and we set a few traps.

Seal:

Jimmy killed two seals today but could not get them.

Willow Ptarmigan:

Palaiyuk saw four Willow Ptarmigan, and killed three. Five Ptarmigan alighted on ridge near camp early in the morning, but flew away before guns were ready. Ptarmigan in full white winter plumage now.

October 27th (Wednesday).

Weather:

M.T. + 16° + 17° at 6.00 a.m. Cloudy, no wind.

Travel:

Started 8.30 a.m., light snow falling; stopped for half an hour to load whale meat cut yesterday, and to feed dogs. Snow storm getting worse, with rising northeast wind.

Willow Ptarmigan:

Killed three Willow Ptarmigan out of flock of four on little hilly island just off point. Another flock 7-8 seen on another island later in day; two more killed. Some of the Ptarmigan killed today were very fat; one bird had large masses of fat internally.

Travel:

Travelled all day, northeast and easterly in and around a large number of small islands. Most islands are

sandy with high cut banks in places; all low shores covered with driftwood. Camped 3.00 p.m. near an old rack. Snow storm still thick. Clear at 9.00 p.m. and colder + 14° at 5.00 p.m.

October 28th (Thursday).
Weather:
M.T. - 3° + 8° at 7.00 a.m. Cloudy, light northeast wind.
Travel:
Started 9.30 a.m. making 150 yard portage through deep snow banks across long narrow island. Crossed channel about one mile wide to another island.

Willow Ptarmigan:
Saw flock 7-8 Willow Ptarmigan, on high bank and Ilavinirk killed four,- fine fat birds.

Polar Bear:
He saw Mannuk (Polar Bear) tracks on island. Palaiyuk went around another island and found a fresh Seal carcass with Bear tracks around it. Two old Bear tracks also seen on ice.

Sunshine bright from 10.00 a.m. to 12.30 p.m. Sudden snow flurry from northeast for an hour or two, and breeze freshened from northeast. Could not see very far during afternoon. Made camp at 4.15 p.m. after passing several small islands, and had difficulty in finding wood to camp with. About dark we decided to run up to the bank and camp without wood, if need be. However, found plenty of wood buried under snow under lee of bank.
Clear after 5.00 p.m.; stars out, full moon -2° F at 5.30 p.m.

October 29th (Friday).
Weather:
M.T. -11° + 5° at 7.00 a.m. Wind northeast fairly strong. Light snow falling. Wind died down about 9.00 a.m. calm all day. Sunshine after 9.30 a.m., all day.
Travel:
Started at 10.00 a.m. and travelled north and northeast until 4.00 p.m. crossing a large bay, could not see south or southeast side of bay (Russel Inlet).
Polar Bear:
Crossed fresh tracks of two Polar Bears (one large ♂; one smaller) going towards mainland, and

returning seaward, fresh tracks, last night or this morning.

Sunset about 3.30. Examined banks of two islands, but could find no wood for camping. Bright moonlight, so we kept going until 5.30 p.m. when we struck Jimmy's camp to south of a high bluff. Plenty of wood, large, straight, seasoned spruce, lying on windrows here. Jimmy had travelled fast today, passing far north of our course, heading more straight across the inlet.

Old carcass half buried in ice here. Last hour of travel today our course turned to southeast and south (probably rounded Cape Dalhousie this evening. Jimmy picked up a large piece of fresh blubber (Bowhead lip) on ice a few miles back.

October 30th (Saturday).

Weather:

M.T. -17° - 15° at 8.00 a.m. -14° at 11. 00 a.m. -18° at 4.00 p.m. Bright sunshine all day.

Polar Bear:

At 1.30 a.m. I heard Jimmy calling outside Ilavinirk! Ilavinirk! Sinek hunganinni! Mannuk mukki! A Polar Bear (♂ 2 year old) had come up to the whale carcass about 100 yards from tent, and Jimmy's dogs had attacked him. Jimmy shot bear while he was running. "One shot - him capsize (fell over); one more, mukki". Jimmy said my dogs all came out, but when they saw the bear, they went back to camp without chasing him, or giving any alarm. In fact, none of us heard anything until Jimmy called. Skin small, but "prime" - pure white. The pot was boiling as soon as the bear was skinned and we feasted on boiled meat until 4.00 a.m., meat very good, tender and fat; no disagreeable flavor.

In the morning, chopped some blubber and meat off the carcass (better dog-food than the last carcass). Having been up half the night, we were late this morning, and at 11.00 a.m. decided to go out to the open water to look for seal.

Polar Bear:

Saw fresh tracks of a very large Bear which had come within about 200 yards of camp and then run away seaward.

Seal:

Four Seals seen in lead of open water about one mile from shore but none were killed. A lead of open water and very thin young ice, about 100-300 yards wide, about one mile east of shore. Strong current moving to southeast, and large ice packs drifting along

outside. Ice very rough and broken with smooth stretches at intervals.

Birds:

Saw two Eider Ducks, and a flock of 12-15 Old-Squaws. Four of latter were killed with rifles at edge of floe, but before they could be hooked with seal-bob, the current carried them out of reach. The Old-Squaws were continually diving in deep water, near edge of floe, and once the flock, working against the current, came within 30 yards of us at one time, apparently oblivious of our presence, as we sat on the ice watching for Seals. Ilavinirk went ashore to bluff, and said he could see headland of Nicholson Island with spy-glass.

Today was the first really sharp cold day this fall - everyone noticed it. Light southwest wind all day.

October 31st (Sunday).

Weather:

M.T.B- 19° - 2° at 8.00 a.m. Cloudy all day. Light northeast wind.

Travel:

Ilavinirk went out to water's edge in morning, but conditions were bad for sealing; little water, and strong current running to westward. He returned just as we were ready to move at 10.00 a.m. Started southeast for about two miles, then south 4-5 miles, east 2-3 miles, then south. Ice very rough in many places, bergs of old ice 10-12 feet high some places. Rounded a sandspit point with plenty of wood, about 2.30 p.m. Had to make camp at 4.15 as it was dark and cloudy. Searched the beach for a mile or two, but could find only two frozen, water-logged sticks of wood. Cooked supper on Primus stove (coal oil) and the alcohol gas stove. Made a little fire in stove by soaking wet wood with seal oil.

Bear:

Fresh tracks, one bear seen on ice today; Jimmy gave us two large pieces of Bear meat (one leg) this morning.

Fox:

Many Fox tracks seen.

November 1st (Monday).

Weather:

M.T. + 1° + 10° at 8.00 a.m. Cloudy, moon barely visible at 6.00 a.m. Brisk northeast wind; snow drifting.

Travel:
Started from camp 8.45 a.m. Travelled south all day, keeping close to mainland. Banks 20-30 feet high, steep, almost perpendicular in places, sandy exposures, a few stunted willow shrubs 6"-1' feet high. Broken ice cakes up to foot of banks. Narrow lead of open water 1/4 - 1/2 mile off shore.
Seal:
No seals seen.
Old Squaw:
Flock of six Old-squaws flew over.

Picked up a few sticks of wood about noon at a little cape point where a small sandbar gave opportunity for a little wood to lodge. Otherwise no wood seen all day until 3.30 p.m. when we made camp on a little sand-spit near Nicholson Island. Nicholson Island seen running northeast out of sight, a series of high cut banks; approaching mainland a little south of us. Had a little discussion with Ilavinirk tonight; he said he had decided that he did not want to go much further east, with either Mr. Stefansson or myself.

November 2nd (Tuesday).
Weather:
M.T. -14° -9° at 7.00 a.m. Clear, Light south-west wind all day -5° at 5.00 p.m.
Travel:
On trail 9.15 a.m. - 3.30 p.m., following shore of bay south and southwest. Water within 1/4 mile of shore, between mainland and Nicholson Island.
Seal:
Ilavinirk shot at three Seals in water, but missed.
Travel:
Tried to cross, eastward to Nicholson Island, near end of inshore lead. Jimmy started ahead, but overturned his sled in crossing the first ice-ridge, broke hole in thin ice, and got back with difficulty. Kept along shore closely to point about two miles from "portage" to Eskimo Lakes. Route from Baillie Island to Fort McPherson - across Liverpool Bay to Nicholson "Island" (peninsula), along shore of same to small island, with little hummock, near mainland. Eskimo Lakes said to empty into Liverpool Bay here, place called Kublurak (N.) Kubluyak, by a very short river or strait, with two mouths separated by a long narrow

island. Entrance channel deep - "White fish" (Beluga) and Seals said to go as far up lakes as point behind Tuturaktok (near Toker Point); salt water in Eskimo Lakes; plenty fish there; Ilavinirk says a sort of Salmon, with reddish flesh is caught there in March.

A short distance southeast of outlet of Eskimo Lakes a large river, called Kuwalluk, comes out. Jimmy says "plenty trees" up this river, and he killed Caribou there last winter. East of this river mouth, (ca mi.) is another river mouth (river known as Kug(h)), pronounced slightly different from the word Kuk, the generic name for river. This Kugh must be the Anderson River, of R. Macfarlane, as the old fort is said to have been up this river (Fort Anderson 185-186). Jimmy has not been to the fort, but Oyunginga had told him all about it. "Plenty trees" on this river also. Kugh is eastern outlet, and Kumalluk western outlet of same river, Anderson River.

No wood found at all today, and we had to camp tonight with only a very small fire made of two or three sticks carried from last camp on Pilalo's sled. Jimmy broke up a tea-chest for firewood. Cooked on Primus and alcohol stoves.

Ilavinirk's wife, Mamayouk has the "new woman" idea to a certain extent. He was ridiculing her this morning for abandoning the old-fashioned, rational Eskimo style of short artiga, or skirt reaching to knees. He said she was trying to imitate some white woman she had seen and lengthened her skirts to the ankle, so she could scarcely run at all in the snow. He said that white women who came North are unable to run at all, and if they have to travel they must ride on the dog-sled. "What's the matter with the white women, anyway?" Mamayouk, grinned and naively remarked: "I believe, fine!"

November 3rd (Wednesday).
Weather:
M.T. - 4; + 2 at 8.00 a.m. + 5 at 5.00 p.m. Warm all day; cooler after 4.00 p.m. Heavy snowfall 6-8 inches, during night and snow fell thickly all day, large, feathery flakes, so that new snow was nearly a foot deep after 5.00 p.m. Cleared up about 6.00 p.m. and stars shining brightly in evening. Light northeast wind during forenoon, shifting to southwest about noon, and blowing gently from southwest the rest of the day.

Travel:
Started from camp 9.00 a.m. to cross western arm of bay, heading southeast, then east. Followed a somewhat circuitous route, around many rough ice ridges, through a thick snow storm. Brought up 300-400 yards from high steep banks of mouth or estuary of river Kuwaluk. Here a channel about 100 yards wide, of thin ice prevented us from crossing to land. An ice pick or knife could easily be thrust through the ice into deep water. Followed this lead of thin ice south for about half a mile, testing the ice frequently. Finally we attempted a crossing at a place where thin ice was about 75 yards wide, sleds going across singly. Jimmy's sled crossed last and bent the ice into some very deep undulations, but made the crossing safely, and three of us grasping the rope, dragged the sled over the rough ice ridge at the brink. Followed bank north for about three miles. Banks 50-100 feet high smooth faced about 45° slope with occasional gullies or coulees running inland. Found a few sticks of wood on a little bar, and at 3.30 p.m. enough wood to camp with, at mouth of a little creek. The deep, soft snow hid the dangerous ice today, making travel risky, and one man had to be continually feeling the road ahead with an ice spear.

November 4th (Thursday).
Weather:
M.T. -16° - 16° at 7.30 a.m. - 10° at 8.30 a.m. +1° at 5.00 p.m. Light southwest wind all day. Clear until 8.30 a.m. Cloudy afterwards. Very light snow at intervals. Clear after 6.00 p.m.
Travel:
Started on trail at 9.00 a.m. Ilavinirk and Jimmy went out on ice while we broke camp and moved on. They reported very little open water, but very much thin ice under deep snow. Cut a little dog-feed from old whale carcass near last night's camp, rather small whale. Another carcass discovered by Jimmy about 3.00 p.m. under snow 3-4 feet deep.

November 3rd (Wednesday).

Weather:

M.T. - 6; + 2 at 8.00 a.m. + 8 at 6.00 p.m.
Warm all day; cooler after 6.00 p.m. Heavy snowfall 6-8 inches, during night and snow fell thickly all day. Large, feathery flakes, so that new snow was nearly a foot deep after 5.00 p.m. Cleared up about 6.00 p.m. and stars shining brightly in evening. Light northwest wind during forenoon, shifting to southeast about noon, and blowing gently from southwest the rest of the day.

Travel:

many Fox tracks leading to it, a small carcass and rather old. Course today N.N.E and northeast. No wood at all seen until 4 p.m. when we found plenty for camping purposes in a little cove, where there was a break in the high hills on bank. Banks where exposed, fine sands, hard packed; black earth above. Near top of one high peak (60 feet + above sea level) I saw a sharply defined stratum of yellowish sand? with black earth above and below it. One bunch of willows 3-4 feet high seen in a little cleft in hillside facing southwest, otherwise all willows seen were ground shrubs. Jimmy says small "trees" (spruce no birch) are found in one day's good travelling, or "one sleep" of slow travel up Kuwaluk river.

November 5th (Friday). Nicholson Island

Weather:

M.T. - 16° -16° at 7.00 a.m. Cloudy, light southwest wind.

Travel:

On trail 9.30 a.m. to 3.30 p.m. going northeast all the time, reaching the low flat connecting Nicholson "Island" with the rest of mainland. Nicholson Is. high land, bluffs, visible all day.. Stopped for about an hour at noon to cut dog food from a Whale's carcass, much fresher than any we have yet found; meat, red and blubber quite oily.

Snowy Owl.

Saw a single Snowy Owl flying along top of high bank today; much barred with brown above and on breast.

No wood found until we reached the portage; plenty of good dry wood in little cove about 1/4 mile north of portage.

Cloudy all day, but clear in evening.

November 6th (Saturday).

Weather:

M.T. - 22° - 22° at 7.00 a.m. - 30° at 5.00 p.m. Cloudy, light southwest wind. Sunshine from 10.00 a.m. to 2.00 p.m.

Travel:

Started out 9.00 a.m. Crossed isthmus connecting Nicholson "Island" (peninsula) with the mainland - about 1/2 mile north of usual portage. Distance across about 1/2 mile. First ascended bank about 10 feet high, then over a succession of low rolling hills, crossed a freshwater pond about 1/4 mile across (water under 6-8 in.ice)

Willow Ptarmigan:

Two Willow Ptarmigan flew over and alighted about 25 yards behind sleds. Jimmy killed one and I the other.

Mainland (series of low hills) plainly visible

from portage. Time across 11. a.m. - 2.30 p.m. (6 or 8 miles). At beginning of portage, there appeared to be a broad semi-circular bay, not extending very far south, but from middle of bay, a wide gap opened up between hills to southward mouth of Kugh river (Anderson R.?). Landmarks of Nicholson Island portage; three or four isolated round hummocks, with highland of "island" to north of same. Ice solid clear across bay. Followed east side of bay northeast and E.N.E., for three or four miles. Passed uprights of old house on top of bank, near a steep little creek gorge, and about half a mile further on made camp on some lower land, where we found plenty of wood. Calm in afternoon and evening with decided fall in temperature - 30° at 5.00 p.m.

November 7th (Sunday).

Weather:

M.T. - 32° - 22° at 8.30 a.m. Clear. Sunshine bright from 10 - 2.00 p.m. Sunset 2.15 p.m. - 20° at 4.00 p.m.

Travel:

On trail 10.00 a.m. - 1.00 p.m., crossing a broad gently curving bay. Sighted two beached boats and rack near ridge at north end of bay. Two families here living in two tents under snow walls. One old man Irituoruk and wife and his son Atingnak (ca.25 yrs.Old) and wife, two children. These people had been at Baillie Island until just before the freeze-up. Had seen "Karluk" and "Rosie H." at Baillie Island. "Karluk" had caught one big whale before going east. Stefansson had transferred his boat and party from "Karluk" to "Rosie H", and gone east with Capt. Fritz Wolki. Fritz given one sack flour for three fox skins, Capt. Cottle one sack for two skins.

White-fish:

People here have plenty of White-fish "Kakuk" cached (dried and frozen) and are catching some small fish here now in nets set under ice of a fresh water pond a little way inland.

Mamayouk's brother Sam and another brother said to have their boat cached near mouth of Anderson River, andto be now hunting and trapping up that river.

November 8th (Monday).

Weather:

M.T. -22°-15° at 8.00 a.m. - 12° at 12 m. Clear day Strong east wind blowing and snow drifting badly. Decided to stop here one day and rest dogs. Little

wood here.
Willow Ptarmigan:
Ilavinirk and Palaiyuk took sled up coast about 1/2 mile and saw Ptarmigant racks. People here huve killed a few Ptarmigan.

Aliugnak's eldest daughter (adopted from Pamitjuk) is a mulatto (ca.9 years old), said to be daughter of steward on whaler. Complexion dark; hair curly, but not kinky or woolly; appearance more Kanaka than African (father said to be "Portugee").
Built snow wall three-fourths around tent this morning.
November 9th (Tuesday).
Weather:
M.T. - 17° -17° at 8.00 a.m. - 20° at 3.00 p.m. Clear, strong east wind, drifting snow in clouds. All soft snow of last week packed into hard drifts.
Snowy Owl:
Saw Snowy Owl on bay.

Irituoruk gave us about 50 lbs of frozen fish and a few dried fish; our other food almost gone - a little flour, rice and seal oil left. Gave him 2,1/2 lb. cans powder, 4 bars lead, 8 plugs N5; 1 lb. tea, and a few strips of wolverine skin. Ilavinirk says he is an old friend, who gave him a dog and some food long ago when he made his famous musk-ox hunt east of Cape Parry. Jimmy started off ahead of us and we could not catch him today. Reached Tutkaiak point at south end, small bay southeast of Harrowby Bay about 2.00 p.m. and as it was too late to start across, we camped for the night in a house, apparently deserted this morning or yesterday. House belongs to Atoogaok and wife Agniginak (parents-in-law of Aliugnak) names written on paper hung on wall. Froze my chin badly, and cheeks slightly while facing wind - first frost bites of season. Improved the sojourn in house by taking tent inside, drying it and mending rips. Tent has been heavily crusted with ice for some time, and is getting pretty heavy. Broke end of minimum thermometer today, but portion containing alcohol was uninjured, and it is still approximately correct.
November 10th (Wednesday).
Weather:
M.T. - 27° -22° at 8.00 a.m. Strong east wind, worse than yesterday.
Willow Ptarmigan:
Four Willow Ptarmigan alighted on high bank in morning and Ilavinirk bagged them all. Hunted a short distance over the hills, but saw no Ptarmigan; snow flying too thick.

Travel:

Decided not to move today. Slightly warmer in afternoon, but wind stronger. Ilavinirk said that the old man Irituoruk told him that the latter had visited the old fort (Fort Anderson) on the Anderson River, in company with his father, when Irituoruk was a small boy. The trader there they called "Spell" (probably Roderick MacFarlane, the Eskimos did not know his real name. The next year three canoes went up the river to the fort, but found it deserted. They went inside and seeing iron nails, etc., in the walls, burned the house, picked every nail and scrap of iron out of the ashes, and carried the iron back to Baillie Island. They afterwards regretted this action, as the traders never came back and the natives could buy no more supplies. R. MacFarlane told me (April '08) that the fort was abandoned because an epidemic (scarlatina?) had killed most of the natives hereabouts and consequently not enough fur was brought in to make the trade profitable.

November 11th (Thursday).

Weather:

M.T. - 22° - 13° at 8.00 a.m. Cloudy. East wind less strong than yesterday.

Travel:

Started out 8.45 a.m. cross little bay ca. 2 miles to high bluffs at south end of Harrowby Bay.. Long sandspit running out from bluffs. Bluffs name of high bluff Ikpishugyuk about 50-60 feet high, vertical, shaly at base. Passed recent snow-house on sandspit; some wood here. Started directly across bay north and northwest (time 10.40 a.m. -- 1.00 p.m. across bay). Wind shifted to southeast and then southwest after 10.00 a.m. Light snow falling for a short time in afternoon; old snow drifting all day. Crossed low land peninsual at north end of bay, about 1/2 mile across. Old grave and canoe frame on north side; some rather poor wood. Sunset 1.35 p.m. (my time, I think about 3/4 hour slow); set watch ahead 45 minutes tonight). Followed coast north about one mile, and found remains of two camps (abandoned this morning). Made camp just before dark 2.45 p.m.; plenty of good seasoned wood on banks of a little cove, -6° at 5.00 p.m.

November 12th (Friday).

Weather:

M.T. -22° -12° at 4.00 p.m. Light southwest wind all day; blowing hard after 5.00 p.m. Sunrise 9.45 a.m. Set shortly after two. Bright sunshine all forenoon, brilliant porhelia. Cloudy (partially) in afternoon.

Travel:

On trail 7.45 a.m. Loaded sleds with wood here;

no wood seen today except a few sticks one place on mainland about four miles south of Baillie Island. Sighted Baillie Island (Otkaluk) north sandspit where houses are located, a low island at 10.30 a.m. and reached village at 3.00 p.m., travelling briskly all day. Village on sandspit at northeast end of mainland; four houses, six in one house; three another; five in another and fourteen in another,- 28 people. Too late to put up tents. Stayed all night in house of (Kig-ngak-tak)Kringaktak (wife Kopaak alias cock-eye) (young son named Ovayuak). Ilavinirk in Kriviuna's house. Angosinyak gave me letter from V.Stefansson reading as follows:

"Aug. 26,1909".

"Dear Anderson:- If you have it, give this lady six plugs black tobacco - I bought bootsoles on credit, paying more than I would otherwise. V. Stefansson.

Going today to Horton River, thence probably to Cape Parry - but will leave letter at Wolki's. Probably shall not go to Banks Land with Wolki - tho I may."

"S.S.Karluk, Aug. 29".09.

"Dear Dr. Anderson:- I am boarding Wolki's "RosieH." for Horton River. Don't know if he takes me farther. Shall leave letter there, may go to Banks Land. If I go shall leave in Fritz house box Savages, (about 300 rounds) for Pikkalo's rifle; some primers,etc., and a letter for you. You best to proceed as fast as possible to Horton River. V. Stefansson.

"Dr.R.M.Anderson
Kindness Capt. Cottle.

Nothing said about other supplies. Reached here with absolutely no food left, but about one quart of rice, no dog food, and dogs fed little for past two days. "

Seal:

People here have been catching a good many Seals. Open water close in shore, too close, they say. Few killed today. Jimmy arrived yesterday and killed two seals today. Last Saturday two men and a boy were out sealing, and the ice drifted off shore.

They were out all night and had no shelter as there was no snow on the young ice. They made shore safely the next day. Ilavinirk tells me that some people were crossing Harrowly Bay one winter and the ice blew off shore. They lived on the ice all winter and finally landed far westward on Richard Island.

Dined well tonight - plenty of boiled seal meat and

seal or two today, and start east tomorrow. Kringaktak gave us about 75 lbs. frozen fish today, gave us a few dry fish and Nivioksina a little flour (frying-pan full). I did not like to take the latter, as the people have not much flour, but Ilavinirk assured me it would be bad form to refuse. Quite a bit of trading done by Ilavinirk and Pikalo, the latter bought some dried fish. Kringaktak asked for some .44 cartridges. Borrowed one box (50) from Pikalo and gave him.

Jimmy decided yesterday that he would like to accompany us. He has had no luck trapping thus far, and wants fur to satisfy H.B.Co. I am glad he is going along, as he is considered one of the best hunters on the coast. Everybody on the island praying now, every time they sit down to eat a fish or drink tea.

Baillie Island people busy all summer; men fishing and looking for whales and "whitefish". All wood has to be brought a long distance from mainland in canoes, mostly by the women. In summer water has to be brought from mainland or from a pond on a neighboring island. People say they have hard times when ships do not come; men cannot leave summer's fishing to go to "iglupuk" (Fort McPherson) and people (natives) who bring out goods from McPherson charge too high commission (they consider H.B.Co., prices too steep, anyway). Last spring people here were without tobacco for several months before "Rosie H" came, then everybody began smoking again.

Kringaktuk's son Ovayuok (12-13 years old) has complained for a day or two of bad headache. His eyes are very badly inflamed, sight nearly gone in right eye, and left eye impaired (apparently erysipelas or some scrofulous affection). His mother said that when he was small (4-5 years) his whole head was covered with sores, which gradually reached his eyes. Boy's hair was clipped close this morning and in afternoon an old man Payuli, Aglamirk's husband was called in. The boy's mother and another old woman held the boy's head, while the old man giving a quick, drawing cut with rounded edge of a keen skinning knife, made a longitudinal gash 1 1/2 inches long and apparently 3/8 inches deep, through scalp to the bone. Wound gaped open and bled profusely for half an hour, while the boy stooped over a wooden pan. Boy's crown seamed with numerous large scars of previous incisions; head tonsured previous to clipping all around. My hair clippers were used by about a dozen people today and yesterday. One man whose head was clipped, had scalp scarred with "doctor"s" knives, as badly as if ti had been ploughed with bird shot. Most of the older men have bodies,

rotten fish (frozen). Cockeye's people had no tea, so I gave them two 1/2 lb. packages. Later, the old lady baked some unleavened cakes on top of stove and brought out a little sugar and molasses. Cockeye bought a whaleboat from "Karluk" this summer, paying 100 White Fox, 3 Blue and 3 Red Foxes and 4 Bear skins; getting some flour, etc. besides. Before Karluk came Captain W. charged one Fox skin for 5 plugs Black Tobacco.

November 13th (Saturday).

Weather:

M.T. -14° 8° at 8.00 a.m. Fairly strong southeast wind in early morning. Calm from 9 to 12 m. Southwest breeze in afternoon.

Seal:

Sealing from 8 -1.30 p.m. along edge of floe, about 1/4 - 1/2 mile from shore. Open water as far as we could see. Saw 12 - 15 Seals at different times. Ilavinirk shot two with Savage 303; Inyutikak one and I one, Sch6 1/2 mm. All recovered with Kayak. My seal came up 300 yards off shore, and Ilavinirk whistled and scratched on ice with knife. The seal came up several times, nearer every time, and finally shot through neck at about 150 yards as he raised his head to look around. Seals weighed about 125, 125 and 150 lbs. respectively. The other sled party got no seals today. Jimmy brought in two seals later.

Old-Squaw:

Saw flock 7-8 Old-Squaws flying along edge of water.

November 14th (Sunday).

Weather:

M.T. -12° -12° at 8.00 a.m. Clear. No wind. Wrote letter for Aglomirk to her son William Bayless (Catua), Jessie Lee Home, Unalaska, Alaska. Also read letter written by the boy to his mother last spring, well written, fairly good English; boy has been in school six years; praises the school highly and thanks Captain Cottle for taking him away from Herschell Island. BOy's mother very anxious to see him, says she will not live long; coughs much, with hemorrhage from lungs. Nobody hunting today. Church services in morning and afternoon conducted by Ilavinirk, Jimmy and Pikalo, evangelists from the west. Noticed nobody praying yesterday or the day before, except Tananmirk. The latter sailed with us from Peel River to Shingle Point in 1908. Last winter he eloped with wife of "Fearless" (Ilavinirk's brother), and last summer the woman ran away from Tananmirk. Natives spent day

Food.:
trading, card-playing, eating, etc. Ate six or seven meals today, rather lunches (bread, tea, seal-meat, dried fish and rotten fish). At present I am able to hold my own with the Huskies eating - good appetites; fill up and am ready to eat again within an hour. After a long spell on the trail, even though we have plenty to eat every day, I am hungry all the time for three or four days, while resting up at some settlement. Sergt. Fitzgerald and Carter of R.N.W.M.P. told me that is is everyone's experience. When a man has made the overland winter trip with "Dawson Patrol" (25-40 days) with plenty of grub, two, after reaching Fort McPherson, he wants to eat almost continuously for a week. Half an hour after a big dinner, the men begin to prowl around the kitchen, seeking what they may devour.

On this last trip, I have become convinced of the nutritive value of rice above any other cereal food. We have used about 40 lbs. of rice on this trip - eating some with a little malted milk (4 cans in all), and some with a little seal oil. For several days we lived on two meals per day of boiled rice with some frozen fish. One large cup of rice (less than one pint) boils into about two quarts of thick mush in 15-20 min., and gives a good plateful each for seven persons; "filling up" and staying much better than wheat bread. For the trail, I consider 50 lbs. rice of greater food value than 100 lbs. flour. Inspector Jennings, R.N.W.M.P., told me last summer that we would never if he could help it, start on a long sled trip without a sack of rice on the sled.

Most of the people have plenty of frozen rotten fish, plenty blubber, some seals, dried fish and I noticed large bunches of Gulls hanging on some racks. Nearly all have some flour, etc., from the ships last summer, but not enough tea or tobacco for the winter. Difficult to buy much here, however, except for tea and tobacco. One seal = 1 fox-skin at last summer's price, i.e., 13 plugs black tobacco. The seal is more than half blubber, and has only about enough meat for us and our dogs for one day. Dogs surfeited with blubber now and refuse to eat it.

Ilavinirk bought for me 30 frozen fish, for 1 lb. tea, 5 plugs Black tobacco, one package matches. Gave Kringaktak (my host) 5 plugs B.T., 1 lb. chewing tobacco, 5 packages cig. tobacco, 3 lbs. tea a little salt, a few needles.

November 15th (Monday).

Weather:

M.T. -10° +2° at 8.00 a.m. -6° at 11.00 a.m. Strong northwest gale, commencing about 3.00 a.m. strongest about 9-10 a.m. moderating in afternoon. Nobody able to hunt today, disappointing as we hoped to get a

Food:

Weather:

particularly back, covered with scars, the custom being to let out some "bad blood" over the seat of pain. Some delay was caused in the operation today, as the boy was not quite certain which part of his cranium was most painful, and changed his mind about the location two or three times, flinching as the doctor was about to cut. Ilavinirk says the people still practice bleeding here and around Kittigaryuit, but not west of the Mackenzie. Have seen only one man Payuli - wears two round white ones wearing "tutak" or labret, although all men have lips pierced. Women have tattooed stripes on chin and most of them wear long, pendant, fan-shaped ear-rings of white and blue beads. People here have few good deerskin clothes, unable to get them, no deer in this region now. Most clothes made of woolen and cotten cloth, and of sealskin. One man is wearing a shirt made of White Fox skins (backs of 15 skins); said he had worn it for three years, (rather expensive shirt material at present prices). Colville River (Alaska) Eskimos are also poorly dressed, but for a different reason, they kill the deer and sheep, but sell all the good skins to the Cape Smythe Eskimo traders every summer, in return for ammunition, flour, calico, etc. I asked Kringaklak if he had been to the old iglupuk R. MacFarlane's on Kugh (Anderson River). He said no, but his father and mother had gone there. Kopaak remarked "Unasillatauni pitjuk" (because not yet born). with an expressive gesture.

Kopaak had skin of a Shrew killed in house here apparently same species as those taken near Toker Point. No mice on island, but said to be common on mainland. No hemmings seen this winter.

November 16th (Tuesday).

Weather:

M.T. -5° + 8° at 8.00 a.m. Cloudy. Howling gale from northwest, air full of flying snow. Wind moderated after 10.00 a.m., and sun appeared a little above southern horizon. + 7° at 11.30a.m. Intended to start this morning, but weather was so rugged that everyone advised against it. Weather here is very changeable, perhaps a bad storm in morning and calm an hour later.

Wrote a letter to Dr. H. C.Buwpus of American Museum to leave here, in expectation of Inspector Jennings, R.N.W.M.P., coming up from Fort McPherson this winter; also a note to officer in charge of patrol. Dog ate up small bear skin belonging to Kringaktuk.

November 17th (Wednesday).
Weather:

M.T. -5° +2° at 8.00 a.m. Northwest gale all day, snow drifting thickly, unable to travel.

One man Olakpauna showed me a rough harpoon head made of dull black stone, and a small knife made of polished tranlucent hard stone; said he picked them up under a crumbling bank on sandspit across from Baillie Island Abvuk (or Abvak) used "aipauni" (long ago) by people here. Wanted to sell them, but I could not afford to buy. People here have a few "Reindeer" skins, bought from Captain Cottle last summer, for one fox-skin each. Sold for $5.00 each. No one out on ice today. Some men out yesterday reported little water, but very rough. Northwest wind has brought the icepack close in shore. Two or three Seals were seen, but rough water and very strong eastward current prevented killing. We had to cut up our last Seal last night.

November 18th (Thursday).
Weather:

M.T. -17°, -17 at 8.00 a.m. -20° at 4.p.m. Clear, calm morning.

Dogs chewed up waterproof bag containing our little remaining rice (ca. 1 quart) spilling all on ground. Also a cotton sled lashing and a deerskin (bedding) belonging to Pikalo. Emptied sleds to clean out snow which had drifted in.

Everybody went out sealing today. Jimmy decided not to go with us today, but may follow in a day or two. Started at 9.30 a.m. Smooth travelling across strait, about one mile, to sandspit running out from cut bank, known as Abvuk.

Sighted flock of 10-12 Willow Ptarmigan on top of bank, Ilavinirk killed four, very fat.

General course after this eastward; very rough ice all the way; great cakes of old, dirty ice jammed up close to banks. Beach narrow, fine gravel; banks 25-30 feet high, steep; occasional gullies. Table land behind. Ascended bank to look around;;; saw fairly above horizon S.S.E., at 11.00 a.m. Made camp at 3.00 p.m. at Kingriniraruk, somewhere around Cape Bathurst. a few miles west of Whale Bluff. Some wood, rather poor.

Saw live Fox in trap on sandspit, ca. four miles back.

November 17th (Wednesday).

Weather:

M.T. -5° +2° at 8.00 a.m. Northwest gale all day, snow drifting blocks, unable to travel.

One man Olaipuuna mauled by a rough burrow head made of dull black stone, and a small knife made of polished translucent bone stone; suit be stroke them up under a grumbling back on Eaubapit moraine from Bellile Island Aprak (or Abrak) used "airport" (long ago) by people here. Wanted to sell them, but I could not afford to buy. People here have a few "Reindeer" skins, bought from Captain Cottle, last summer, for one fox-skin each. Sold for £6.00 each. Do one out on ice today. Some men out yesterday reported little water, but very rough. Northwest wind has brought the icepack close in shore. Two or three seals were seen, but rough water and very strong seaward current prevented killing. We had to put up our tent last night.

November 18th (Thursday).

Weather:

M.T. -17°, -1° at 9.00 a.m. -30° at 1.00 p.m. Clear, calm morning.

November 19th (Friday).
Weather:
M.T. -24° -10° at 8.00 a.m. -21° at 4.00 p.m. Clear all day. Very light, almost imperceptible, north-east wind all day.

Cut some rather poor dog-food from an old whale carcass about 200 yards from camp; very tough and frozen hard, but dogs had eaten some during the night.

On trail 10.00 a.m. about noon passed along the high (ca. 100-125 feet) known as Whale Bluff (on Kingat') Said to be good whaling ground close in shore here. Baillie Island people often camp here to hunt Seal; One old iglu seen here. Hard travelling most of day; over rough, broken-up young ice, winding about among great masses of old, dirty icebergs, rounded and worn smooth by waves. Coast trends more to southeast and then south, banks almost vertical in most places; stratified, soft grayish shale near base (often undermined); large patches of red oxide (iron?) numerous on side of cliff. Dug out some specimens of soft, although frozen earth resembling potter's clay (strata 3-4 feet thick).

Ptarmigan:
Some Ptarmigan seen near morning camp on top of bluff, but none secured.

Made camp at 3.00 p.m. at mouth of a little creek (on first gravel beach since leaving Whale bluff). Some wood here, one old house; cliffs somewhat broken by occasional gullies near here.

Navashak's (little girl) sick last night; whole body covered with red rash resembling chicken-pox, feverish all night, somewhat reduced this morning, but bad again in evening. Ilavinirk says one boy at Baillie Island had similar affection while we were there. Feel a little under the weather myself today - no appetite for either rotten fish or blubber.

Snowy Owl:
Saw one Snowy Owl flying along the bluff today; also a few Fox tracks.

No open water visible on Franklin Bay.

November 20th (Saturday).
Weather:
M.T.-27° -10° at 8.00 a.m. Cloudy.

Travel:
On trail 9.30 a.m. Ice very rough and broken close in shore. Smoother ice winding along outside of pressure ridge 300-600 yards off shore. About 11.00 a.m. noticed small clouds of white smoke issuing from side of cliff 20-50 feet above water level - smoke

November 10th (Friday).

Weather:

M.T. -24° -10° at 8.00 a.m. -21° at 4.00 p.m.
Clear all day. Very light, almost imperceptible, north-east wind all day.

Out some rather poor dog-food from an old whale carcass about 200 yards from camp; very tough and frozen hard, but dogs had eaten some during the night.

On trail 10.00 a.m. about noon passed along the high (ca. 150-175 feet) known as Whale Bluff (on Finnet's) said to be good whaling ground close in shore here.

Baillie Island people often camp here to hunt seal; one old Inin seen here. Hard travelling most of day; over rough, broken-up young ice, winding about among great masses of old, dirty icebergs, rounded and worn smooth by waves. Coast trends more to southeast and then south. Banks almost vertical in most places; stratified soft grayish shale near base (often undermined); large patches of red ochre (iron?) numerous on side of cliff. Dug out some specimens of soft, although frozen earth resembling potter's clay (strata 3-4 feet thick).

Itkerigan:

Some Itkerigan camp near morning camp on top of bluff, but none secured.

Made camp at 8.00 p.m. at mouth of a little creek (on first crystal-bound river); cliffs about 100 feet high. Some wood here, one old igloo; cliffs somewhat broken by occasional gullies near here.

Tuyaaksuk's (little girl) eyes last night; whole body covered with red man resembling chicken-pox. Severed all night, somewhat reduced this morning, but bad again in evening. Tinvizirk says one boy at Baillie Island had similar affection while we were there. Feel a little under the weather myself today - no appetite for either rotten flan or blubber.

Snowy Owl:

Saw one Snowy Owl flying along the bluff today; also a few Fox tracks.

No open water visible on Franklin Bay.

November 11th (Saturday).

Weather:

M.T. -27° -10° at 8.00 a.m. Cloudy.

Travel:

On trail 9.30 a.m. Ice very rough and broken close in shore. Smoother ice visible along outside of pressure ridge 300-500 yards off shore. About 11.00 a.m. noticed small clouds of white smoke issuing from side of cliff 200-300 feet above water level - smoke

issuing from cliff at intervals for about a mile,- then a gap of no smoke for about a mile, then around a well-marked point or cape numerous smoke-holes for perhaps two miles. A short distance south of first smoke seen, then sides of cliff become less vertical; apparently caved down by fires burning strata below; a well-defined irregular terrace 30-50 feet above water for some distance. Rock in general appears black; resembles coal; classed as "bituminous shale" by Richardson, who observed fire smouldering in this region first in 1826, and later in 184 (Arctic Searching Expedition, Sir John Richardson, London 1850). In a few places exposures near smoking places appear strata of dull yellow crimson and various shades of red, probably from heat. Ilavinirk has passed here many times, and says there was no smoke coming out within a mile of the most northen smoke observed today. Smoke drifting out seaward smelled strongly sulphurous and distinctly unpleasant at times.

About 2.00 p.m. sighted sled coming along coast, and soon greeted V.Stefansson and "Billy" (Netkushiak), who had left Horton River about six hours before.

Stefansson landed at Horton River (Captain F.Wolki's house) August 1st, went on to Cape Parry in "Rosie H", cached most of his goods there, sailed to south end of Langton Bay in umiak with Billy and Pannigablok, cached boat there, hunted inland 40-50 miles, crossing low mountains (Melville Range), killing plenty of game since we last saw them.

Game:

One Polar Bear; three Barren ground Bears; 32 Caribou, one Wolf, one White Fox; One Red Fox; One Wolverine.

Said Pannigablok was now in hut inland, up Horton River with 22 Caribou carcasses. A large part of their stuff still in house at Cape Parry near wreck of "Alexander". Strong weather prevented Mr. S's. party from staying at Parry long enough to sort goods well. Decided that Netkushiak ("Billy") Pikalo and I should go to Cape Parry for necessary supplies, while S. proceeded up Horton River with remainder of party. Very light west wind today.

November 21st (Sunday).

Weather:

M.T. -10 -18° at 8.00 p.m. Cloudy all day. Camped on ice last night.

Travel:

On trail 8.00 a.m. to 2.30 p.m. and camped in

Capt. Wolki's house (small house, Eskimo style); frame store-house alongside; plenty of wood along beach for 1 2 mile north of house (all coming in this year, V.S. said).

Whale carcass on beach about 1 2 mile north of house.

Fox:

Saw White Fox running away from same.

Large chest of bird skins (good skins, full series of measurements, dexed) and a number of loose eggs (unmarked) with data loose and unattached (cannot tell with certainty which sets they should accompany) Capt. Wolki told Stefansson last summer that he would sell the lot for a dog. Eggs were left in trays with accompanying data, but natives had evidently thought the trays valuable to them, and had dumped eggs all together in big chest, and carried off trays. Many sets of Arctic Tern, also Red-throated Loon, Glaucus Gull, Hawks, Ducks, Geese, etc.

November 22nd (Monday).

Weather:

M.T. -32 -28 at 10.00 a.m. Clear, no wind.

Spent day sorting out stuff to cache here.

Bowhead:

Ilavinirk and Billy cut a large supply of very good whale blubber from carcass up the beach, apparently tongue, and better dog food than any carcass we have yet found.

November 23rd (Thursday).

Weather:

M.T. -32° -31° at 8.30 a.m. Gale blowing from W.N.W. Snow drifting everywhere.

Travel:

Stefansson decided to stay here (Wolki's house) today, as he would have to face wind for several miles up the river. He is going up to his "deer meat camp" with Ilavinirk, Mamayouk, Nuvashak, Palaiyuk and the old man Kunasilek.

I am going to Langton Bay cache, thence to Cape Parry, with Billy and Pikalo. As we have wind "quartering" behind us, decided to start today in spite of storm. Left Wolki's house at 9.30 a.m. and camped at V.S's last camp at 5.30 p.m.last two hours travelling by moonlight. Ice very rough most of the way today. Wolki's house about 2 1/2 miles north of mouth of Horton River. River breaks

through an abrupt gap in mountains about 1/2 mile wide. A few miles south of river, strata of cliff many-colored yellows, reds browns. Ice on sides colored sulphur yellow in places with strong alum taste. Picked up some soft maroon red rock at base of cliff soft as putty at -30° (or lower); smears like point, interlarded with thin harder layers.

Froze face, cheeks and chin continually today. Slightly warmer in evening -20° at 6.00 p.m. Mountains are growing less steep and sloping away from the bay into rounded hills. Plenty wood on shelving banks.

November 24th (Wednesday).

Weather:

M.T. -20° -12° at 9.00 a.m. -12° at 6.00 a.m.

Travel:

On trail 11.00 a.m. - 5.00 p.m. Strong northwest wind most of day, but sudden lowering of wind from 4.00 p.m. until 6.30 or 7.00 p.m., almost calm for an hour. Good travelling late in day over smooth ice (with little snow), in places where V.S. and Billy had to travel on land on account of open water a few days ago. Earlier in the day we occasionally took to the land where shore ice was too rough. Mountains much lower 1/4 to one mile from coast. Land sloping gently up to foot hills, sparsely covered with grass and very small creeping ground willows. Plenty of driftwood everywhere on benches at tide level. Expected to reach Langton Bay tonight, and so did not take much grub along - six small frozen fish. Ate one apiece for supper last night and the same for breakfast this morning. No supper tonight, but boiled tea and a smoke. We had little left at Horton River, and as Stefansson's party had further to go, it was thought best for them to take the bulk of what was left, there. Wind increased every minute after 7.00 p.m. and was blowing a howling gale before we went to sleep. Blew snow banking away from tent and we had to re-bank with solid blocks.

November 25th (Thursday).

Weather:

M.T. -15° -15° at 9.00 a.m. Howling gale from southwest, sweeping snow at a fearful rate. I was barely able to stand up against wind.

Froze my nose almost to base in a few minutes out of doors. Ice had broken away from shore again.

Unable to travel today, although we have nothing to eat here, except rotten whale blubber, taken from Horton River for dog food. Tried a little this morning, raw frozen, but even the Eskimos gave it up after a few bites. It is nothing but a mass of stringy fibres saturated with rancid oil and sea water. Spent day hovering over camp stove, trying to keep warm. Tent nearly blows away at every gust. Little good wood here.

By the irony of fate, this is Thanksgiving Day, and the first day that I have been absolutely without any edible food since reaching the Arctic. Tent too cold for writing tonight. Billy tried boiling a little carcass blubber in water in frying pan, tried out some rancid oil, residue stringy, but a little less rank in taste. Wind threatened to go down about 7.00 p.m. coming in fitful gusts. Thought of starting out and travelling by moonlight, but in half an hour gale was stronger than ever. Cold all night, and did not sleep much.

November 26th (Friday).

Weather:

M.T. -25° -25° at 8.00 a.m. Northwest wind, only a trifle less strong than yesterday.

Travel:

Open water close up to beach, width unknown. Decided we must push on to Langton Bay despite weather. On trail soon after daylight 10.00 a.m. cloudy. Had to travel along beach, often across bare sand and gravel bars, occasionally on inner edge of ice ridge on beach. Hills getting lower, and receding from coast. Open water close to beach beyond point where Langton Bay proper begins, where it began to edge off shore to eastward. After 3.00 p.m. travelled over rather smooth young ice across bay, running nearly all the way, with wind behind us. In fact, ran nearly all day. Crossed sandspit, and reached ship's old ice-house about 5.00 p.m. Five graves, white Mens' (Rowhal and Beluga) close to ice-house, marked by white painted boards. Ice-house barely visible, entrance packed full of hard snow, although opened by V.S., and Billy a few days before. Ice-house with double doors, sunk about 12-15 feet underground, through hard earth and clay. Rather warm inside, meat not frozen hard. Cache here of nearly whole Polar Bear, one Barren-ground Bear, several Caribou, Caribou and Bear fat, etc. Broke fast of nearly 60 hours, with lunch of frozen meat and deer fat.

fat. Fed dogs a little bear meat, then crossed lagoon about 1/2 mile to old store-house and ships winter quarters near point of long sandspit. Shingled house in fair state of preservation. Stefansson's umiak cached here, and goods in house, a little flour (25 lbs.) oatmeal (50 lbs.) etc. Put up tent in lee of house. Wind moderated after 4.00 p.m. - 30° at 7.00 p.m. Clear, almost calm. Spent evening cooking and eating.

November 27th (Saturday).
Weather:

M.T. -31° -30° at 2.00 p.m. Clear. Light northwest wind.

Billy and Pikalo got out meat enough from ice-house for Cape Parry trip. Spent day drying out tent, bedding, skins, clothing, etc., which had become pretty well iced coming from Horton River. The terrific wind of past week blew tent full of snow, and our fire kept melting same, so that everything is getting heavy. Billy cooked some of his and Stefansson's "invention" of oatmeal porridge, the most delicious oatmeal mixture I ever tasted. Boil two or three cups of oatmeal with a cupful of small pieces of Caribou back-fat, season with salt, and stir until thick; porridge is sweet, rich-flavored and nutritious. Stefansson says he and Billy travel all day with a breakfast of nothing else. Inventoried part of stuff here, to see what must be brought down from Cape Parry cache.

Nose badly frozen yesterday and the day before; feels very soft, pulpy and sore today.

November 28th (Sunday).
Weather:

M.T. -33° Clear in early morning. Full moon, very brilliant. Dead calm from 1.30 a.m. to 5.30 a.m. clear. Cloudy at 7.00 a.m. Very light snowfall from 11.00 a.m. to 2.00 p.m. - 28° at 7.00 a.m. -25° at 12 M. -24° at 2.30 p.m.

Felt somewhat indisposed (bowel complaint) last night and today caused by over-indulgence in fresh meat and fat, after eating little meat for some time, and a recent fast.

Pikalo's dog "Peter" very sick today; he froze penis on trip Friday, now badly swollen; continually tries to urinate, but cannot do it. Pikalo thinks he will have to shoot the dog. I have not seen a similar case. Ilavinirk's bitch "Lucy" froze milk in

udder coming to Baillie Island, and a hard lump formed there. When travelling with a bitch nursing pups, Eskimos habitually fasten a piece of deer or sheep skin underneath the bitch's body to protect the udder. Freezing of udder said to be common, and serious.

Spent afternoon repairing boots, clothing, etc. Billy boiled bear soup for dogs outdoors today.

November 29th (Monday).
Weather:

M.T. -23° -18° at 9.00 a.m. Blinding snowstorm mostly snow drifting with s outhwest wind all day. Could barely see edge of sandspit 50 yards from house at 9.00 a.m. Wind lowered after 6.00 p.m. Clear evening. Had to stay in camp today, but improved time repairing clothing, etc.

November 30th (Tuesday).
Weather:

M.T. -28° -23) at 9.00 a.m. Strong southwest wind, and fairly clear, but air full of drifting snow. Left Langton Bay house and started for Cape Parry at 10.00 a.m. Highland north of lagoon barely visible from house. Wind lowered 10.30 a.m. and we had fine weather for about two hours, with light southwest behind us. About 12.30 p.m. it suddenly began to blow harder while we were crossing a bay, and in half an hour a howling blizzard was raging. Hauled up to a sandspit about 2.00 p.m. found wood and made camp with some difficulty, by first erecting a high snow wall to windward of tent site. Before we were through making camp, we could barely see thirty yards through the flying snow. Weather seemed to turn colder, but lost minimum thermometer in snow while unpacking sled. Froze face, slightly and big toe of left foot quite badly while making camp, and we were unable to get tent warm for nearly two hours. When I got my boot off, toe seemed to be frozen hard and stiff up to first joint, and I could not get it fully thawed for nearly an hour; toe rather painful during night. Big toe of right foot very slightly nipped also.

December 1st (Wednesday).
Weather:

Strong southwest gale all night and during forenoon. Wind lowered somewhat towards noon, but too late to move off today. Fairly calm in evening, very light southwest wind.

Big toe somewhat swollen today, with large pink blister (about one inch long x 3/4 inch wide) on inner and superior aspect of toe, somewhat sore, but not so bad as anticipated. Colder tonight.

December 2nd (Thursday).

Weather:

Clear morning no wind. Up at 3.30 a.m.

Travel:

On trail 6.30 a.m. and travelled by moonlight for two hours. Followed edge of sandspit for a mile or two, then keeping a general northerly course, crossed mainland for 5-6 miles; low, flat land, with numerous small lakes, emerging on sea ice again about 9.30 a.m. On east side of a large bay. A long line of high land visible several miles to westward, running northwest out to a long point (probably Stivins Point). Ran parallel to this high land, keeping rather close to eastern shore. Plenty wood along beach. A small island about midway between end of point and northern end of bay. North end of bay marked by an out cropping of rock, forming a sharp cape, with an isolated rock pinnacle about 12-15 feet high just off point.

Hare:

Dogs started a white rabbit, Arctic Hare among ice hummocks at this point.

Ice smooth in bay; rough at intervals from now on. Coast line more uneven, with little bays and rocky headlands, 15-20 feet high.

Polar Bear:

Saw fresh tracks of one large and one small Polar Bear together, among rough ice.

Made camp at 2.00 p.m. on sand beach on south side of large bay. Plenty of good wood in winarows on beach. Light southwest wind after 1.00 p.m. Clear all day. Morning sky typical of clear day when sun is below horizon, deep indigo near horizon, shading into lavender, and that into rose pink; most vivid toward north. Southern sky lighter, but colors less rich. About noon the sky was bright crimson where sun was just below horizon. Good travelling today, running most of the time; made perhaps 15-20 miles. Big blister on frozen toe in morning; broke during day, but did not give much discomfort while travelling, although water made sock wet.

December 3rd (Friday).

Weather:

Morning somewhat foggy, fog increasing until about noon. Light southwest wind all forenoon, shifting to north about noon. Clear sky after 6.00 p.m. Wind northwest.

Travel:

On trail at 6.00 a.m. by rather poor moonlight. Road rough for first few miles; with broken ice cakes close in shore. Crossed a rather broad bay, and entered a long fjord about 1 2 mile wide at entrance, but soon narrowing to about 300 yards, and running inland (N.-) for 2 or 3 miles. Made portage of about 200 yards over a low, barran, stony ridge and entered end of another long, narrow, winding fjord. At 11.30 came in sight of Cape Parry headland, and at 1.00 p.m. rounded the northwest point of the fjord and suddenly came within 1/4 mile of the wreck of steam-whaler "Alexander" of San Francisco (wrecked Sept. 1906) grounded on rocks at entrance to fjord, apparently in good shape still only slightly listed to port.

On the beach, about 100 yards from the wreck, is a Kogmollik house, built of wreckage from the ship. Stefansson's goods were cached inside this house in September. Door found partly ajar, and house nearly full of hard packed snow. Spent about four hours mining out the snow. Goods had evidently been disturbed by bears, and Billy said someone had moved the stuff from the other side of house since he had been here with Stefansson. Carried all goods outside, swept out house, set up an old cook-stove, and prepared to live in house for a few days.

Polar Bear:

Polar Bears had made away with four potato-boxes full of whale blubber, two slabs bacon, capsized alcohol can and spilled all alcohol - 10 gallons, etc. Nannuk tiglikpok.

Saw tracks of sled (comparatively recent) going to house and away from same. Suspect that ship is wintering hereabouts, as no Eskimos are known to be living in this region at present. Three Kogmollik families, Kupmanna, Attayuk and ------- lived here the winter after wreck of "Alexander". Beach strewn with boards, iron, rope and ship's furnishings of various kinds. Billy says that two of the men who lived here are now with Capt. Wolki on "Rosie H.".

December 4th (Saturday).

Weather:-

Clear, cold. northwest wind. Spent day getting out wood, banking house with snow, etc.

Billy and Pikalo went down the lagoon to the place where V.S. cached a large cask of Ugruk meat and blubber last fall. Cask covered with heavy drift-

wood. Billy found all the meat and blubber gone, stolen by Bears. He said the cask was smashed as if by an ax.

Hare:

He saw Rabbit tracks today, and also fresh sled tracks running towards Booth Island. Booth Island,-- a high rocky island about 5-6 miles northwest of Cape Parry, is the place where ships winter in this region.

December 5th (Sunday).

Weather:

Clear, cold, light southwest wind.

Billy went out to look for Seal holes in lagoon ice. Pikalo and I crossed to Booth Island. Nearest headland of Booth Island about three miles from "Alexander". On east side of island struck a trail of numerous sled tracks, and two of our loose dogs sprung Fox traps near trail. Saw fresh track of man near island. I suggested it might be an Eskimo's, but Pikalo said positively that no Eskimo had a foot so big - Kabluna sure. Shore of Booth Island very irregular, numerous bays and fjords, land rough and rocky, almost barran.

Crossed a narrow isthmus and soon sighted the "Rosie H" in winter quarters at further end of a large deep bay or lagoon. Reached ship at 1.15 p.m. (two hours travel, said to be 8 or 9 miles from "Alexander"). Found that Capt. Wolki, with wife and Kogmollik boy had started for Langton Bay, Saturday November 27th. His people had recently found fresh sled and dog tracks on young ice 3-4 in. thick, floating past Cape Parry after southwest gale; supposed tracks were those of Mr. Stefansson, and Fritz had worried considerably about it. He had gone toward Langton Bay to see if he could see any trace of Stefansson and would perhaps go as far as his house on Horton River, "if trapping was good".

A whale's carcass reported to be on beach near Stivens Point.

"Rosie H" still has all old crew, Mr. Harry C. Slate, mate, two boat-steerers, one cook, three forward hands "Old John" Kuhl and nine Kogmollik people from Baillie Island. Mr. Slate said the schooner was unable to run very far up west side of

Banks Land in September on account of head winds, so turned about cruised back around Nelson Head, followed the shore all the way around De Salis Bay, and some distance further, without finding a good harbor, very little wood. They they cruised over towards Prince Albert Land, but did not try to land.

Polar Bear:

Seven Polar Bears were killed on south shore of Banks Land. Large numbers of Polar Bears seen sunning themselves on cliffs between Nelson Head and De Salis Bay.

Failing to reach a suitable harbor on account of continued head winds, Capt. Wolki returned to Booth Island September 8th and went into winter quarters. Plenty of very good wood on Booth Island, dry, clean and free from sand.

Seal:

About 20 Seals and 7 Ugruk had been killed this fall.

Caribou:

One Caribou mysteriously appeared on Booth Island last week, after a southwest blow and was killed by one of the ship's people.

A few other tracks seen. A few Arctic Hares and a few Rock Ptarmigan have been killed here recently. About fifty Arctic Foxes have been trapped on the island this fall, 29 by the Kogmolliks. Jim Figi caught four Foxes today.

As there is no moonlight to travel by, we accepted invitation to sleep on board ship.

Mr. Slate says that there are a number of old graves on Booth Island. Cape Wolki found an old bone snow-scraper or brush on one grave last fall.

No Seals have been killed recently and no Bears seen, as there is no open water. There is said to be open water close in shore whenever the wind is from north or northeast, particularly off Little Booth Island.

Mr. Slate says that Nelson Head (southern extremity of Banks Land is not visible from Cape Parry at this season, as the northern horizon is too dark; says he has seen Nelson Head plainly from ship's deck off Cape Parry in summer. (My "dollar" watch five minutes behind ship time).

December 6th(Monday)
Weather:
Clear, cold. Wind northwest at 4.00 a.m. shifted to southeast, about 8.00 a.m., and remained in that quarter all day, strong enough to drift snow along surface of ice.

Line of open water visible from Cape Parry westward, off point of Booth Island. The ship had plenty of surplus seal blubber on hand,- had caught a good many seals in fall, and consumed meat much faster than the blubber.

Mr. Slate gave us a sled lead of Seal and Ugruk blubber; said that the blubber of flour or five more Ugruk is lying on the beach somewhere, but now buried in snow.

Home trip 9.00 a.m. - 12 m., facing stiff breeze.

Billy said he found an Ugruk blow-hole yesterday, and watched it until the Ugruk came up, but a careless movement of his foot scared the animal before he could shoot. The Ugruk came up again, but it was too dark and he failed to hit.

December 7th (Tuesday).
Weather:
Clear, cold, southwest wind.

Billy went on to Booth Island to set some traps and visit ship. Pikalo went to look for seal holes, and I after wood. Found plenty wood at southwest corner of lagoon near house, but mostly rotten. Dragged one large log home. Saw two large coils of good rope on sand bar at further end of lagoon.

December 8th (Wednesday).
Weather:
Clear forenoon, no wind. Cloudy afternoon, southwest wind. Warmer in evening.

Hauled in a sled load of wood.
Raven:
Saw Raven hovering over camp. Billy returned from ship; found no open water, but saw fresh Bear and Hare tracks near Little Booth Island.

December 9th (Thursday).
Weather:
Cloudy, southwest wind. Warmer. Clear evening - 12° F. at 4.00 p.m.

Opened up cache and took out some goods, re-piling cache. Continued sewing on tent. Piece three fathoms

long, and six breadths wide (6 yards); necessitating five longitudinal seams, and one across each end - total seam, 21 fathoms or 42 yards, material used, white cotton drilling. We are sewing with No.20 white linen thread, waxed, overlapping the seams.

December 10th (Friday).
Weather:

M.T. -23° -22° at 10.00 a.m. -23° at 12 M. Clear. Southwest wind.

Billy and Pikalo went to look at traps. Pikalo lost one trap, and caught nothing. Billy caught a Raven in one trap, but the bird had been eaten by a Fox. He killed a large Arctic Hare with .45-70. The Hare was about size, shape and weight of the Northern Jack-rabbit, black-tipped ears and all white; better eating than Jack-rabbit.

Spent all forenoon melting a large pot of water and cooking flour and blubber soup for dogs. Scorched bottom of pot very slightly, and some of dogs (Peter, Ivan and Pikalo's two Kog. dogs) refused to eat any. All dogs refused to eat Seal blubber. Stomach contents of Hare (moss, grass) eaten by us; rather good.

December 11th (Saturday).
Weather:

M.T. -25° -11° at 9.00 a.m. -15° at 1.00 p.m. Clear. Southwest wind. Wind south in evening.

Cooked dog soup of entrails, bones, etc., of Hare, thickened with a little flour, and all dogs ate ravenously.

Arctic Fox:

Billy caught a female Arctic Fox in trap; one foot was nearly gnawed off. Fox was very fat and we ate same boiled for supper; meat very good and tender, no disagreeable flavor; better than Hare shot yesterday.

Finished sewing tent tonight.

December 12th (Sunday).
Weather:

M.T. -26° -19° at 9.00 a.m. -21° at 1.00 p.m. slightly cloudy. Light southwest wind.

Cooked dog soup of Fox meat and entrails, thickened with a little flour, all dogs ate greedily.

Seal:

Pikalo killed a large male Seal by shooting it through head as it came up to breatheat its blow-hole. Both Billy and Pikalo said it was the largest Seal (Natjirk) they had ever seen. Color normal; whitish below, thickly spotted with dusky on back. Length (nose to tip of tail) 65 inches; greatest girth 54 inches; weight about 200 lbs. Gave dogs a good feed of meat and blubber; they ate the fresh, warm blubber readily enough. Boiled seal meat for supper. The small intestines are considered a delicacy by Eskimos the mesentery is stripped off, and contents of gut squeezed out between thumb and finger. The intestines are boiled for a short time, and preferably eaten hot; intestinal walls thick; about 1/4 inch, and central cavity very small. Rather tender when boiled, and lack the "seal flavor" of the meat.

December 13th (Monday).
Weather:

M.T. -32° -22° at 12.00 M. Clear. Southwest wind in morning. Southeast at noon. Northeast at 1.00 p.m. Wind got around to northwest in afternoon, and remained in that quarter all evening.

"Old John" Kuhl and Jim Hill came over from "Rosie H." arriving at 10.30 a.m. and stayed about two hours. They cached three sacks of flour here, intending to trap west of here "after the sun comes back". Gave Hill a small deerskin and he promised to get one of the Kogmollik women to make me a pair of mittens. Made myself a new pair of snow pants today, out of white cotton drilling - the customary material. My Khaki snow pants, made last spring, had completely given out. In some respects Khaki is better than drilling for snow shirts and pants. Khaki is more impervious to snow and wind, but quickly wears through wherever the cloth is creased or folded. Formerly striped bed-ticking was the fashion for overclothes, then white drilling came into style and now, out Point Barrow way, brown "Government Khaki" is the vogue among the natives, both for clothing and tents. New fashions are slow to be adopted, but when once an idea gets started, it spreads like wildfire. Last fall the Mackenzie River people were anxious to get the so-called "Itkillik"dog harness (dogs tandem between traces

The old conservatives have long held to the superiority of the so-called "Massinka" harness (dogs hitched alternately with a single trace
The Massinka harness is good
on very rough ice where each

Seal:

dog has to pick his own path, but in general a good deal of propulsive power is lost by dogs pulling out sideways. In Itkillik harness all the dogs pull straight ahead, although a dog in the middle of the team has a better chance to "loaf" in the traces without being detected. If harness and collars are made of leather or skin, they must be watched very carefully, or the dogs will eat them. The latter applies to Massinka harness as well.

More fashion. Last winter, Mamayyuk kept some "Seal of North Carolina" tobacco all winter, saying it was not very good smoking. Last spring she went to Point Barrow with V.S.'s outfit, and found that the Point Barrow people just now will use no other brand than "S. of N.C." @ $2.00 per lb. Consequently, nothing else for her but "Seal of N.C.".

New guns and ammunition seem to be desired on sight, a "new make" being a guarantee of superiority. Spy-glasses have to be purchased new every two or three years, as the belief is general that the "seeing power" of a spy-glass becomes worn out by much use, the same as the rifling of a gun-barrel. Other ideas spread with greater or less rapidity. Mr. Stefansson says that when he first came among the Mackenzie River people three years ago, he saw little evidence of the missionary efforts of several years. Within the last two years, religion has spread along the coast so that practically every Eskimo from Point Barrow to Baillie island prays, after a fashion, or at any rate, mumbles an amen. The new doctrines spread chiefly by verbal messages among the natives. For instance, the Cape Smythe traders last summer, brought a large stock of epistles from sermons heard during the year, verbally noted and rehearsed in detail to the Colville River people, and the people at the Flaxman Island rendezvous. Some of these people eventually pass the news along to Herschell Island, and so on. Bishop Stringer (former Herschell Island missionary) and Rev. C.E.Whittaker also "revived" the Herschell Island and Mackenzie River people during the past summer.

December 14th (Tuesday).

Weather:

M.T. -26° -20° at 9.00 a.m. Northeast wind, fairly strong. Clear and cold. Northeast wind made house very cold, so I put in a few hours tearing down the rough, loose banking, and building a solid snow-block wall around two sides of house, about 18 inches outside of walls. The space between snow-wall and house was packed full of fresh, soft snow, well tramped down. This

raided the temperature of house considerably.

Caribou:

Billy went hunting over on Cape Parry mainland, saw tracks of three Caribou, apparently not more than two days old, going east. He followed same for some distance over rough, hilly ground, but saw nothing more before darkness compelled him to return.

Broached a new sack of flour today - have used 50 lbs. since Dec. 3rd (some for dog soup); also two 10 lb. sacks rolled oats. Diet has been principally bread, oatmeal, sugar and tea.

December 15th (Wednesday).

Weather:

M.T. -20° -6° at 12.00 M. -7° at 1.00 p.m. Cloudy dark day, northeast wind.

Seal:

Pikalo found open water near Little Booth Island, and saw Seals but killed none.

Billy killed two seals in open water off east end of Booth Island, but his seal line was too short, and they drifted out of reach. Billy lost coming home - struck mainland on east side of lagoon.

December 16th (Thursday).

Weather:

M.T. -7° + 7° at 10.00 a.m. +8° at 12.00 M. Wind east. Southeast after 2.PM. Cloudy, warm day.

Spent day making sheet iron stove (galvanized iron). Great inconvenience caused by lack of rivets, and we had to cut off nail heads with cold chisel. Some brass ship nails proved very satisfactory after we had annealed them in stove. Cooked flour and blubber soup for dogs. Dogs also ate some raw blubber warmed although they refuse to touch cold blubber.

December 17th (Friday).

Weather:

M.T. + 7. +12° at 12. M. Wind northeast, strong. Snowing early in morning and snow drifting thickly. Cleared up somewhat for a little while in forencon, but snow fell heavily again in afternoon. Wind strong in northeast.

Finished stove today. Too thick weather for hunting today.

December 18th (Saturday).
Weather:

M.T. +5° +6° at 10.30 a.m. +4° at 1.30 p.m. Brisk northwest wind. Light snow-fall at intervals during forenoon, heavier in afternoon. Wind shifted more to northeast in evening. Hauled sled load of wood from other side of lagoon.

Made set of stovepipes.

December 19th (Sunday).
Weather:

M.T. -25° -20° at 10.00 a.m. Sky partially clear. Brisk northeast wind. Cold. Clouded up about 11.00 a.m., and snow began to fall, Snow fell all day, and wind increased to a gale. Warmer -10° at 12.00 M.

Took in old tent and all dog harness to melt off ice and dry them. Unpacked several milk boxes, to inventory goods stored therein. The dove-tailed Malted milk boxes, top screwed on, bottom nailed on, are exceedingly useful and convenient cases for storing small articles, keeping them safe and dry. The one pound milk tins are very useful also, tight-fitting tops, easily removed, tight enough to hold coal-oil, alcohol, etc., and keep powder, matches, etc. dry.

December 20th (Monday).
Weather:

M.T. (?) Thermometer buried under snow. +10° at 10.00 a.m. +9° at 1.00 p.m. Cloudy; southwest wind.

Pikalo caught male White Fox in trap.. Moon about at end 1st quarter.

December 21st (Tuesday).
Weather:

M.T. -5° +10° at 12.00 M. Cloudy, southwest wind fairly strong..

Billy started off hunting early yesterday morning, and returned this afternoon.
Seal:

Billy killed three Seals yesterday at edge of "flaw" east of Booth Island. The current drifted them into young ice just out of reach. He watched them for a long time by moonlight, hoping they would be carried nearer. When it became too dark to see, he went over to "Rosie H." and stayed all night. This morning the young ice was frozen hard, but was too rough, and he could not find his Seals.

Polar Bear:

One of the Kogua men at ship caught a large Polar Bear about three days ago in a steel bear-trap set on top of island, baited with a Seal.

White Fox:

Ships people had caught 15 White Foxes since he was at ship last - - some on Booth Island and some on Cape Parry mainland.

Billy brought me back a fine large pair of deerskin mittens, half-elbow length, made with hair turned in from deerskin given J. Hill the 18th inst.

Snow blowing thickly in evening, but air warmer.

Patched up old tent.

December 22nd (Wednesday).

Weather:

M.T. + 5° +10° at 10.00 a.m. Southwest wind, fairly strong. Light snow falling all day.

Made sled-cover, three breadths drilling, two fathoms long.

Billy took up some of his traps. One trap lost, fairly heavy chain broken, perhaps by a Wolf as he does not think a Fox strong enough to break the chain.

Heavy drifting snow had obliterated all tracks. Obliged to partially re-bank house, as the snow-bank on northeast side had partially melted away through cracks in the wall leaving a draughty air space between wooden wall and snow banking.

December 23rd (Thursday).

Weather:

M.T. -12° -4° at 10.00 a.m. Partially clear northwest wind.

Cooked dog soup and repaired gear. Read part of "Narrative/ of the/ Second Arctic Expedition,/ made by Charles F. Hall:/ His voyage to Repulse Bay,/ Sledge Journeys to the Straits of Fury and Hecla and to King William Land,/ and/Residence among the Eskimos during the years 1864-69,/"Edited under the orders of the Hon. Secretary of the Navy,/ by Prof. J. E. Nourse, U. S. N./ U.S. Naval Observatory,/1879, /Trubner & Co./ Nos. 57 and 59 Ludgate Hill,/London. Note p.296, "It certainly marks strong resolution and courage in Hall to undertake this northern trip in February. (From Ships Harbor Islands, H.B. to Igloolik) Captain Nares (R.N.) judgment is, that, unless for the purpose of saving life

no one should be called upon to undergo the fearful privations of an Arctic sledge journey during March or even in the early part of April (Narrative of a voyage to the Polar Sea, 1878)".

Captain Hall travelled with Eskimos and lived as an Eskimo among them.

Fox:

Pikalo caught two male Arctic Foxes, one large and one rather small one, prime skins.

December 24th (Friday).

Weather:

M.T. -10° 0° at 10. 00 a.m. Light snowfall all day. Foggy. Southwest wind.

Fish:

Capt. Fritz. Wolki stopped in for a few minutes about 10.30 a.m. on his way back from Langton Bay - 27 days out from ship. He had a sled load of fish, caught with "nixey" near our first camp north of Langton Bay,- he says tomcod, etc., are abundant there.

Fox:

"Fritz" and his "Injuns" (1 man and 2 women) caught thirty-one White Fox on the trip. He brought along my lost minimum thermometer (lost in storm Nov. 30th).

Packed up most of our stuff today and loaded our sled.

December 25th (Saturday).

Weather:

M.T. -15° -15° at 10.00 a.m. Cloudy forenoon, with stiff southwest wind blowing, snow drifting. Afternoon colder, wind strong. Clear in evening, almost calm. Bright, full moon. (Mars and Saturn bright, near conjunction in southwest - acc. Mr.Slade).

Pikalo and I took sled over to ship, starting 10.00 a.m. arriving a little after noon. Had lunch and dinner on ship, and slept on board. Capt. Wolki started at once to overhaul Pikalo, accusing him of trying to induce Kutakak to leave ship and go up country with us. Pikalo denied the allegation and Kutakak finally said that Billy had been doing the talking. According to Fritz, Kutakak had been told that he was foolish to give his Fox skins to the ship; that Stefansson had plenty of deer meat cached inland, that Mr.S. wanted more Innuit, and that Kutakak could come along, be "grub-staked" and keep all the fur he could catch, as well as deer skins. Capt. Fritz was righteously incensed, said he had supported K. and

family for four months, and that he was indebted to the ship about $50.00 in addition, however, K. could go if he wanted to. I told him that if Pikalo or Billy had made any such statements, it had been without my knowledge or consent, and so far as V.S. was concerned he supposed the ship was in Banks Land, and we had all the people we wanted anyway. Fritz said he had never blamed S. or myself for the "Injun's talking".

Fritz said he saw no signs of life on his trip to Langton Bay, except Foxes.

Fish:

Said they caught 100 or more Tomcod per day, and a few fish which appeared to be true Codfish, a little south of Stivens Point. Fish caught with "nixey" near bottom in four fathoms of water. Tomcod varied from 12 to 18 inches long; most of them filled with roe. Mr. Slade said the smallest of the lot were larger than the largest caught at port Clarence.

SEAl:

Two embryo Seals, about one foot long, perfectly formed, and spotted like adults, were taken this fall and preserved in alcohol.

Fox:

Mr. Harry C. Slate gave me a small bottle containing some lice from the Arctic Fox caught this month. he said the Fox's fur was full of lice. The Arctic Fox very seldom has skin parasites.

Fritz was busy preparing his Fox skins. He skins them in camp, scrapes off all fat, and stuffs skins into a bag. He says he never skins the tails in camp, as they invariably freeze and break off if he skins them and leaves them undried. On reaching house on ship, he splits and skins tail, scraping off grease, and then stretches skin on a wooden frame (flesh side out) to dry. When dry he turns fur side out and packs skins in bag again. During the latter part of April and May, the skins are hung up outdoors for about a month, and the sun, wind and snow clean out every particle of dirt, blood-stains, etc., leaving fur snowy white. If tails are not split, they do not dry well inside and hair becomes loose. Fritz said that one year at Horton River, he got 1400 Foxes, caught about 250 himself, and traded for about 700.

He says there is seldom any open water south or east of Horton River after Christmas, and he has crossed Franklin Bay on ice from Horton River to Cape Parry

in one sleep. Sledding around bay to Cape Parry always good until June 1st, probably until June 12th. People have sledded to Booth Island as late as July 1st. Two ships once wintered in Lagoon, across from "Alexander" and did not get out until August 2nd.

Birds:

Capt. Wolki says he has taken Widgeon and Shoveller on Horton River., one Golden Eagle, Pintails common, Am. Rough-legged Hawk breeds commonly; Snow Geese breed abundantly near river inside of the coast line of cliffs. Took one nest of Duck Hawk. Little Brown Cranes breed around Langton Bay; Swans common. Eider Ducks and Gulls breed commonly on sandspit outside mouth of Horton River.

Says Horton River is not navigable, shallows alternate with deep channels, current "15 miles per hour" near mouth in spring. Some years great masses of ice 6-7 feet thick, come out the rivers' mouth; and other years no ice comes out in spring. He does not think it would be safe to haul a boat across from Langton Bay in winter, and float down the river in spring; current too swift. Mr. Slate said he once picked up 800 lbs. of good lignite one afternoon lying in large slabs on hills just back of ship's ice house in Langton Bay; used it for fuel in stove. No good water to be found between Horton River and Langton Bay in summer, all strongly impregnated with alum, sulphur, etc.,- not poisonous, however. Cliffs smoking in places up the Horton River, no flames, but red-hot coals visible; sometimes quiescent for a time, then bursting out afresh.

December 26th (Sunday).

Weather:

M.T. -30 -17° at 12 M. Light northeast wind at 7.00 a.m. Clear.

Started home at 10.00 a.m. Wind stronger after 11.00 a.m. and increased all afternoon, drifting snow badly.

Billy was out hunting in forenoon, but got nothing, although he saw fresh Rabbit (Hare) tracks.

Cloudy afternoon.

December 27th (Monday).

Weather:

M.T. -17° +10° at 10.00 a.m. +8° at 12.M. +4° at 3.00 p.m. Partially clouded sky.

No wind in forenoon. Light southeast breeze after 3.00 p.m. Dark "Water-clouds" all along northern and northwestern horizon.

Moved all our goods from outside cache into house preparatory to starting for Langton Bay tomorrow.

December 28th (Tuesday).
Weather:

M.T. -10° +15° at 12.00 M. Very strong southwest wind in morning. Snow falling and drifting. Snow packed our snow-house area-way full, so that we could not open door, and had to break out side of house. Storm seemed to increase all day.

Pikalo sick today,- chills, head-ache, pain in bowels, in all bones - miserable generally. He complained of fatigue yesterday after working outdoors for about an hour. Today he is very badly affected with every sympton which I can think of, but, like most sick Eskimos can not localize his ailment.

December 29th (Wednesday).
Weather:

M.T. -7° -7° at 12.M. Wind shifted to northwest during night and is blowing just as hard from that direction. Passageway nearly drifted full again from other side, and I spent about two hours digging the house out and skirmishing a little wood in the snow storm.

Pikalo feels a little better than yesterday. He had bad chills the night before, and last night I gave him three 2 1/2 gr. Dover's Powders. He said he was sweating all last night. He has little appetite for our present grub, i. e. oatmeal, milk and bread, but Billy cut a few scraps of seal meat which still adhered to the blubber and skin of last seal, and Pikalo ate the seal meat with great relish.

December 30th (Thursday).
Weather:

M.T. -11° -6° at 3.00 p.m. Gale blowing from northwest and drifting snow in blinding quantities. Wind in gusts; occasional lulls.

Pikalo still sick, unable to get warm although wrapped in blankets by fire. House seems fairly warm to Billy and I, i.e., not freezing, except on floor. Pikalo had nose bleeding several times today. He thinks he ought to cut a hole in his scalp to let blood out, but I advised against it. Gave him dose quinine sulphate tonight.

December 31st (Friday).
Weather:

M.T. -2° (Thermometer hung in hallway). M.T. +12° in house -8° outside of house at 4.30 p.m. Gale from Northwest all day, snow flying so thick and hard that it could be faced for only a moment at a time.

Entrance passage to house drifted full again last night. Today we built a seven-foot snow wall around outer entrance of passage way. Day somewhat cloudy, but clear overhead in evening. Stars shining brightly overhead at 3.30 p.m., although everything near horizon was obscured by drifting snow.

Aurora borealis brilliant at 3.30, broad bands or streamers running up to zenith; most numerous in north.

Pikalo still sick today; same as before, chills, pains in bones, little appetite.

At 5.00 p.m. Aurora formed a complete arch, from southeast to northwest, top of arch about 15° southwest from zenith. Upper portion or arch formed a continuous horizontal band, but sides appeared to be parallel columns, moving regularly toward northwest, growing paler and vanishing rapidly. Whole aspect very variable, changing every moment. No streamers radiating from north. Color pale, like moonlight. No noises heard.

January 1st, 1910 (Saturday). Cape Parry, N.W.T.
Weather: In house near wreck of S.S."Alexander".

M.T. -25° -23° at 9.30 a.m. Clear, perfect calm from 5.00 a.m. (and before) until 9.00 a.m. Very light southwest breeze after 9.00 a.m.

Pikalo still sick; complains of pain in right breast, difficult breathing, slight cough.
Caribou:

Billy started out about 5.00 a.m. to set some traps (about a dozen) again, as we shall be compelled to stay here until Pikalo gets better. Billy returned about 4.00 p.m. with head, neck, two shoulders and "back-sinew" meat of a female fawn caribou (last summer's) which he had killed on the mainland, only a few miles away. Only this one

and body still warm, head probably eaten by wolf. Started to skin one large male Fox, the only perfectly clean one we have caught so far, but Billy put in a claim for the skin, saying that his agreement was to have the good skins, which he trapped, for himself. Fox, male, L.33 1/2 T. 12 1/2; H.F.6 1/4. Let Billy have skin to avoid trouble until I see V.S., in regard to the terms of the trapping agreement.

Wind shifted to northwest about 11.00 a.m., and blew strong all day. Cloudy until 6.00 p.m., afterwards clear, stars out; faint aurora borealis.

January 4th (Tuesday).
Weather:

M.T. -5° -3° at 10.00 a.m. +3° at 2.00 p.m. cloudy. Wind northwest in morning. W. in afternoon.

Made some needed repairs on house. Tried to find a piece of hardwood on "Alexander", but found batches nearly filled with snow. One month ago, we could walk about freely below decks.

January 5th (Wednesday).
Weather:

M.T. -15° -8° at 8.00 a.m. Light southeast wind, clear. Orange-red glow on southern horizon at 8.00 a.m., and fairly light.

Pikalo's condition same as for past three days, rasping cough, raises considerable phlegm, breathing difficult, like a horse with "heaves". Cloudy after 1.00 p.m.

Fox:

Billy caught one White Fox in trap near old deer cache (a good skin). He also found one hind leg of a Fox in another trap, but some animal had eaten all the rest of the body. Fox caught today, was very fat, whole body covered with a layer of "blubber" 1/8 to 1/4 inch thick. Some Foxes are fat and some very poor now. We eat every fat Fox that we catch - very good meat too.

January 6th (Thursday).
Weather:

M.T. -17° -10° at 9.00 a.m. Light east wind. Very light mist or fog in the air. Clear from 10.00 to 2.00 p.m. Southern horizon very bright and rosy at noon -- sun only a few days below the horizon.

Fox:

Billy caught one Fox today.

I was kept busy making a new axe-handle (piece of oak from "Alexander"), cooking dog-soup (and dinner later), chopping day's supply of firewood, melting snow, and looking after sick man.

Wind southeast in evening; light snow.

January 7th (Friday).

Weather:

M.T. -12° +3° at 9.00 a.m. Wind still in south-east, slight fog. Considerable light snow fell during night. Dark blue "water-sky" all along north and northwest horizon. Wind shifted to northwest about noon.

Billy went to look after traps while I did camp work, cooking, hauled sled load of wood, etc.

Fox:

Billy found five White Foxes in traps, (three near old deer cache). One trap was empty in the morning and contained a Fox in the afternoon. He also shot an Arctic Hare with 45-70 on his way home over rocky ridge. He said the Hare would run a little way, then sit up on its haunches to look around, "all same tjikrik" (marmot). Hare in good condition; some fat on back and around tail. Skinned Arctic Hare, #371, male, L.28 in. T.2 in. H.F. 7 1\2".

Pikalo seems to be a little worse today; has little cough, but complains of pains all over (not localized); voice rather weak. I am unable to diagnose his case. He seems to have a grievance against me because I do not "dose" him. My medicine case has nothing which seems to fit the case. He wanted to know why I did not give him some "no sick medicine". It was some time before I could understand that he meant some panacea which would cure sickness in general. I told him I knew of no such remedy, but he insisted that whaling ships always had it. Then he wanted to know if that kind of medicine was "too much cost " for me to give to people. Altogether, a difficult case for me to treat or help any.

January 8th (Saturday).

Weather:

M.T. -6° -3° at 9.00 a.m. -3° at 2.00 p.m. Dark, cloudy day, but about five hours daylight (twilight). Nothing in traps today.

Billy struck a recent "Nannuk" track

and followed it for some distance eastward.

Pikalo's condition about the same; no worse, slight improvement it seems to me, but he says not. Persuaded him to take a hot foot-bath today.

Almost no wind today, occasional breaths of wind from northwest. Blue "water sky" to north and northwest. Wind began to freshin from northwest about 8.00 p.m.

January 9th (Sunday).
Weather:

M.T. -15° -15° at 9.00 a.m. -17° at 12 M. Stiff northwest wind, drifting snow. Cloudy. House very cold today. Ink bottle remains frozen solid within three feet of fire.

Boiling the pot of dog-soup filled the house with steam and the walls ans ceiling are covered with frost.

Pikalo seems to be a little better today, ate a little meat and smoked a cigarette. The most alarming symptom, to his mind, has been that for several days tobacco smoke has not tasted good to him. He has nose-bleeding several times, every day, much more than usual although his nose bleeds frequently, even when he is well.

January 10th (Monday).
Weather:

M.T. -25° -25° at 8.00 a.m. 26° at 1.00 p.m. Sky nearly clear. Light northwest wind in morning shifting to west in afternoon. Cold day.

Very much under the weather today. Light headache and chills last night. Took Dover Powder. This morning racking headache, pains in neck, back, shoulders and right wrist; feverish. Took 2 "migraine tablets". Would have stayed in bed today, but Billy went hunting early, Pikalo is too feeble or inert to put wood on the fire, so I had to get up to do the chores, cook dog-soup, feed dogs, etc. Tried to split a little wood, but the jar hurt my head too much.

Pikalo's bitch died last night. She has been ailing for some time, in fact, we could not use her on sled coming from Horton River. She was a "present" from a Baillie Island man, a living skeleton when he got her. I suppose by casting his bread upon the waters, the Baillie Island man was taking the chance of drawing down a deer skin or something valuable in

return next spring. I have received a few "presents" myself, and if I fail to understand what is wanted, a hint is generally given to some of my people. Timeo Danaos dona ferentes.

January 11th (Tuesday).
Weather:
M.T. -28° -25° at 1.00 p.m. Brisk southwest wind, drifting snow. House terribly cold, everything frozen as hard as a stone.

My condition about the same as yesterday; slight headache, pain in joints, and severe chills at short intervals, shaking my body from head to foot. Little appetite, but stomach and bowels all right, urine very high colored. Pikalo about the same.
Billy stayed at home today, did the chores, chopped wood, etc., Lucky to have one effective member. Bad chills in evening. Took 6 gr. Quin. Bisulp. in evening.

January 12th (Wednesday).
Weather:
M.T. -30° -30° at 12.M. Light southwest wind. Sky quite clear and diffused with rosy arches up to Zenith at noon. Southern horizon brilliant orange.

Billy went to look at traps, saw one Willow Ptarmigan and killed same. A Wolf had eaten up a Fox in one of his traps.

Very feverish during night and all day, racking headache behind eyes and at base of brain. Very sore in region of kidneys. Hated to get up today, but had to keep the fire going, and the soup cooking. Took a 2 gr. Quin. Bisulp. in evening.

January 13th (Thursday).
Weather:
M.T. -31° -26° about noon. Light east wind.

Burning fever and racking headache of past four days still keeps its hold. No appetite. Sponged my burning torso in cold water this morning and took a hot foot-bath (in 3 quart pail) in evening.
Billy hauled load of wood from sandspit and saw tracks of wolf which had evidently reconnoitered camp last night.
Took three Dover Powders on retiring at 6.p.m. and the fever was partially broken by midnight; profuse perspiration, the first for many days.

January 14th (Friday).
Weather:

M.T. -26° -18° about 11. a.m. Light south west wind, slightly foggy. Felt a little better today,- fever about gone, and skin moist and normal. Mouth putrid, a little appetite. Ate a very little oatmeal and milk in morning (not very good). In afternoon ate a strip of raw frozen deer meat with great relish, the first palatable morsel since taken sick. Pikalo much better now, able to be up, keep fire going, have fair appetitie, and is just beginning to have hopes of his ultimate recovery; still has racking cough however, and has lost much flesh.

Fox:

Billy returned about 5.00 p.m. with two Foxes, and leg of another Fox which a wolf had stolen from trap. Said he saw two Ptarmigan.

Wind stronger toward evening.

Passed a rather more comfortable night, little fever, but with continuous tickling of bronchi and occasional deep spasms of coughing.

Billy did not get his Foxes skinned, and one cooked, until nearly midnight, so the house was overheated, full of unpleasant rancid foxy smells, mingled with the fumes of Billy's and Pikalo's pipes and cigarettes. The smoke is very irritating to the lungs, and Pikalo when at his worst could not stand very much smoking, but looked upon a proposition to quit smoking as something unheard of. I have quit smoking since my lungs got bad, but as most of the inhaled smoke comes from the other fellow's pipes, my condition has not been bettered much. However, I do not care for it now.

New moon tonight.

January 15th (Saturday).
Weather:

M.T. -18° -18° at 11. 00 a.m. Brisk south-west wind, snow drifting. Nearly clear day.

Billy repaired banking around house, chopped wood, etc. Condition of everybody little changed today.

January 16th (Sunday).
Weather:

M.T. -20° -5° at 11.00 a.m. Nearly clear, very light northwest wind.

Fox:

Billy caught one Fox and Wolf one. He saw

Caribou was seen, and no other tracks. Animal was difficult to approach, as it was cold and snow crunched under foot. Fawn's horns about 8 inches long, still covered with velvet.

Arctic Fox:

Billy also brought in one Arctic Fox found in Pikalo's trap.

Hauled a load of wood from sandspit; saw fresh Hare signs.

Pikalo had refused to eat today, said oatmeal, milk, bread, tea, etc., all tasted tipi (rotten), but when Billy broght in the deer meat, he brightened up, ate one slab of back meat frozen, and a pound or two of cooked meat later.

Cloudy in afternoon and evening; warmer -20° at 3.00 p.m. Brisk southeast wind after 6.00 p.m.

Faint Aurora borealis.

January 2nd (Sunday).

Weather:

M.T. -23° 0° at 12 M. Cloudy, dark. Fairly strong southwest wind.

Pikalo still breathing with difficulty, has sharp pains in right breast; no appetite for anything but deer meat and raw seal blubber. Ordinarily he does not eat fresh seal blubber.

Wind shifted to northeast late in evening.

January 3rd (Monday).

Weather:

M.T. 0° F. +10° F. at 9.00 a.m. Brisk northeast wind, cloudy.

Pikalo feverish today, did not sleep last night, breathing wheezy. Good appetite for raw deer meat, sinew and marrow, but nothing else.

Hauled another load of wood from sandspit today. Found a sled load of fine wood under one small snow drift. Billy brought in remainder of deer meat.

Fox:

Caught three White Foxes in the three traps set around deer carcass, one very lean (almost starved) one fair and one fat. One Fox had head missing

Wolf but wind was too light for stalking.

January 17th (Monday).
Weather:
M.T. -20° -6° at 12 M. Very light east wind. Brilliant parahelium a little above southern horizon.
Still confined with racking, spasmodic coughing spells; heavy secretion of mucus in mouth and throat; urine scanty, brilliant saffron yellow.

January 18th (Tuesday).
Weather:
M.T. -10° Wind northeast in morning, blustery fine snow. South W. in evening. Apparently colder.

Fox:
Billy caught one Fox, Wolf took two from traps.

January 19th(Wednesday).
Weather:

Too sick and cold to get out doors for thermometer readings, and Eskimos can not do it. Strong southwest wind. Cold all day. Wind moderated towards evening. Billy said he saw "half the sun" at noon today.
January 20th (Thursday).

Weather:
Could not get outside today. High southwest wind all day, foggy. Wind lower in evening.

Fox:
Billy brought home one leg of Fox today. Wolf had stolen two Foxes from traps. This wolf seems to have the run of his line of Fox traps, and empties them regularly.

January 21st (Friday).
Weather:
Fine clear day. No wind.

Mr. Stefansson arrived about 5.00 p.m. from camp on Horton River, in company with Palaiyak and Tananmirk. They had killed few caribou, although they were seen frequently, and the party up country were now very short of grub. Hunting had been difficult, every southeast wind bringing dense fog and southwest wind a blizzard.

Wolverine:
Wolverines had committed depredations at almost

every cache. One wolverine was killed in ice-house at Langton Bay.

January 22nd (Saturday).
Weather:
Clear; light east wind. Wind much stronger towards evening.

Caribou:
Stefansson tells me that they had been obliged to eat most of the nine Caribou specimens which had been saved for me.

Wolverine:
The Wolverines had carried the dead wolverine from rack, and also eaten part of skin of Barren Ground Bear.

January 23rd (Sunday).
Weather:
M.T. -26° -23° at 10.00 a.m. Clear; light northeast wind.

Billy and Palaiyak started for Horton River with sled load of grub,- flour, tea, sugar, etc. Sled with boy and woman, came over from ship today after a kayak frame. Stefansson went back to ship with them. Tanaumirk stayed here with he. He is intending to stay with Mr.S. for an indefinite period on consideration of being fitted out with deerskin clothes, etc.

January 24th (Monday).
Weather:
M.T. -26° -20° at 10.00 a.m. Brisk northeast wind.
Fox:
Tanaumirk went to look at traps; caught one Fox, a small animal in poor condition.

Wind stronger towards evening.

Am feeling much better; very little cough, and fair appetite. Pikalo is very much improved.

January 25th (Tuesday).
Weather:
M.T. -21° -15° at 12 M. Slightly cloudy. Wind east. Sun up for about two hours.

Tanaumirk hauled load of wood. Stefansson returned from ship, brought some tinned sausage,

and fruit and a few books and magazines.

Feel pretty well today; outdoors for some time; legs a little shaky.

January 26th (Wednesday).
Weather:

M.T. -15° -8° at 11.00 a.m. Light east wind. Cloudy.

Fox:

Tanaumirk caught one Fox in traps; animal pretty fat. V.S.hunted over towards Cape Parry and saw two Caribou tracks, perhaps a week old.

January 27th (Thursday).
Weather:

M.T. -15° -14° at 10.00 a.m. Cloudy. No wind in forenoon. Light east wind in afternoon and evening.

Kutakak and wife came over from ship with sled. We moved over with tent about 10 miles northeast to a little bay a few miles southwest of Cape Parry headland. Plenty of wood on beach. Left house 12.30 p.m., made camp about 3.30 p.m. Four dogs had spells of fits today, lasting from 2 to 10 minutes. Dog would suddenly appear paralyzed, stretched out on side, chewing and frothing at mouth, and kicking legs for a little while, sometimes howling, then usually lying quite still with glassy eyes, for a few minutes. Usually comes out suddenly, gets up, shakes himself, and is ready to travel on.

January 28th (Friday).
Weather:

M.T. -14° -8° at 10.00 a.m. -10° at 12.M. -7° at 3.00 p.m. Cloudy.

V.S. went out on ice, rough pressure ridges of ice; thin young ice outside; no open water. No bear tracks.

Fox:

One Fox in trap near "Alexander".

January 29th (Saturday).
Weather:

M.T. -10° -2 at 9.00 a.m. East wind. -5 ° at 12 M. -5° at 3. 00 p.m. Brisk east wind all day. Cloudy. Snow drifting.

Seal:

V.S. went out on ice; lead about 1/2 mile wide. He killed one Seal, but did not get him.

P.Bear:

Saw many fresh bear tracks on young ice. Wind lowered in evening, clear, wind shifted to south about 8.p.m., light breeze.

January 30th (Sunday).
Weather:
M.T. -22° -22° at 9.00 a.m. -23° at 12 M. Somewhat cloudy. Strong southwest wind all day, drifting snow thickly. Weather too cold and disagreeable for anyone to go out of camp.
None of the dogs have had fits since Thursday, although Okunerk is still sick, apparently.

January 31st (Monday).
Weather:
M.T-25° -25° at 9.00 A.M. -26° at 12 M. -27° at 2.00 p.m. Partly cloudy all day, clear evening. Strong southwest wind all day, stronger towards evening. Wind worse than yesterday.
Tanaumirk looked at four traps. Foxes had been around all traps, but snow had drifted too deeply over traps, to catch anything.
Day very disagreeable, cold, with thickly drifting snow everywhere close to ground - wind perhaps 25 miles per hour.

February 1st (Tuesday).
Weather:
M.T.) -27° -26° at 12 M. Somewhat cloudy. Strong southwest wind, stronger than past two days. Nobody able to move outside of camp.

February 2nd (Wednesday).
Weather:
M.T. -35° -33° at 12 M.(in sunshine) -34° at 3.00 p.m. clear. Wind moderated during night, but fairly brisk from southwest all day; snow drifting very little.
V.S. went out towards Cape Parry, but found no open water. Tanaumirk went to "Alexander" house for blubber, grub, etc. Lost two dogs enroute. One refused to travel, and he left it behind, thinking it would follow or go home, but dogs never showed up at camp.
Stayed in camp all day; cooked dog-soup and chopped wood. Nothing in Pikalo's traps, snow blown off some of them.

February 3rd (Thursday)!
Weather:
M.T. -42° -39° at 11.00 a.m. -43° at 1.00 p.m. -45° at 3.30 p.m. Clear. Light southwest wind in forenoon, shifting to south about 2.00 p.m. and later to southeast. Afternoon wind very light.

Nothing in traps. Stefansson and Tanaumirk went to ship to have sleeping bag and boots, etc., repaired. Dogs lost yesterday failed to come home today.

February 4th (Friday).

Weather:

M.T. -46° -35° at 8.30 a.m. -33 at 12 M. -33 at 2.00 p.m. Light wind south SE., shifting a little more to southeast in afternoon.

Pikalo looked at his own six traps and two of ours, but found nothing.

Sky clear all day, and sun shining brightly for four or five hours; little apparent warmth, however.

February 5th (Saturday).

Weather:

M.T. -37° -33° at 9.00 a.m. -28° at 2.00 p.m. Clear. Fairly strong east wind, drifting snow along ground, wind stronger towards evening.

V.S. and Tanaumirk returned from ship in afternoon. People at ship catching some Foxes; no bear or seal. Capt. Fritz caught a Blue Fox yesterday.

February 6th (Sunday).

Weather:

M.T. -30° -20° at 9.00 a.m. -21 at 3.p.m. Cloudy. Light east wind.

Tanaumirk went across to "Alexander" house to look for two dogs lost February 2nd, but found no traces of them.

Fox:

Pikalo caught one Fox today, frozen stiff in trap. H

He also saw five Ptarmigan, and shot one (Willow Ptarmigan).

One of Pikalo's dogs has been sick for some time, refused to eat, frequent fits, etc. Took him into tent today, where he had a fit every few minutes, hind quarters appeared paralyzed and he was unable to stand up today. In the evening I killed him at P's request. Eskimos seem very unwilling to shoot a dog even when he is incurably sick, or injured, preferring to abandon the animal or let him die of freezing, starvation, etc. For example Pikalo had a decrepit and crippled bitch presented to him at Baillie Island. She was entirely useless and I strongly advised him to shoot her. He admitted that the animal was worthless, but said she would die anyway, within a few days after we took the trail from Cape Parry. The animal was

allowed to live until she died (or froze) Jan.10th, at which P. evinced evident satisfaction.

February 7th (Monday).
Weather:

M.T. -21 -14 at 10.00 a.m. -17 at 4.00 p.m. Cloudy. Light northeast wind in morning, growing stronger all day. Moved camp about two miles to a sandspit near the point close to the sea ice. Crossed low series of strong ridges in coming over a much shorter route than following the bay around.

Caribou:

About half a mile from old camp saw a Caribou running east along hillside about 3/4 mile away. Tanaumirk had gone ahead and come quite near deer, but apparently without seeing it, until the deer had run some distance. T. followed deer and succeeded in killing it, a full-grown female. (Pikalo had pronounced animal to be a fawn, after looking through telescope). Stefansson saw deer tracks ca. one or two days old on edge of ice further east. The land is almost entirely barren here, not even moss on the stone covered ridges, so probably the deer do not stop here long.

Bear:

V.S. saw fresh bear tracks (today's), and Tanaumirk saw some animal moving toward island about dark. V.S. shot a Male Arctic Fox #372.

February 8th (Tuesday).
Weather:

M.T. -24 -22 at 8. a.m. -23 at 3.00 p.m. Brisk east wind, driving snow along ground.

T. brought in Caribou meat shot yesterday. Caribou killed yesterday had a perfectly formed hairless embryo (in utero, about as large as a good-sized rat.

Fox:

Skinned Fox killed yesterday, extremely poor and skinny. Head of Fox went into dog-soup pot by mistake, but it was only slightly discolored by hot water.

February 9th (Wednesday).
Weather:

M.T. -25° -21 at 8.00 a.m. -20 at 10.00 a.m. -16° at 2.p.m. Cloudy. East wind about as strong as yesterday. Small stretch of dark clouds indicate some open water far out to northwest.

Pikalo found that a bear or wolf had taken a fox from one of his traps.

February 10th (Thursday).
Weather:
M.T. -24° -22° at 9.00 a.m.-19° at 12 M. Partially cloudy. Very light wind from N.N.E.

Fox:
Tanaumirk caught two Foxes today, Pikalo none. T. moved traps from land today and set them out on the ice. "Jumbo" and "Britton" both caught in traps set where caribou was killed. Heard their howling afar off, and rescued them before toes were frozen. Both dogs limped badly on way home.

February 11th (Friday).
Weather:
M.T. -22° -15° at 8.00 a.m. -15° at 10 a.m. -25 at 4.00 p.m. Cloudy with a little snow falling in early morning. Light snowfall during night. Sun visible from 10.30 to 3.00 p.m., after that obscured by clouds. Light east wind in forenoon, freshening quite a bit from 1 to 2 p.m. After 2.00 p.m. calm.

Went to Tanaumirk to "Alexander" for necessary supplies. Trip took from 10 a.m. to 5.30 p.m. Stayed about 45 minutes at house.
Fresh Fox tracks on top of house; otherwise no signs of life.

February 12th (Saturday).
Weather:
M.T. -30 -26° at 10.00 a.m. Clear. Light west wind & 30° at 4.00 p.m. Wind a trifle stronger towards evening.

Fox:
Pikalo caught one Fox today.

Bear:
V.S. went hunting several miles eastward, and saw numerous Bear tracks, five together. He also saw one badly frightened Bear running away, about half a mile distant. He said the Bear kept running as long as he could see him with field-glasses.

Seal:
Two Seals were seen in water of long tide crack about three feet wide.

Ptarmigan:
Pikalo saw two Ptarmigan, but they were very wild, and flew away before he was very close. Very stiff and sore today after 20 mile trip yesterday - "out of training" just now.

February 13th (Sunday).
Weather:
M.T. -33° -32° at 8.00 a.m. Clear, bright sunshine. Light west wind, stronger after 10 a.m. -30° (in sun) at 10.00 a.m. - 30° at 4.00 p.m. Too cold for hunting today.

February 14th (Monday)
Weather:
M.T. -33° -26° at 10.00 a.m. -27° at 2.00 p.m. Brisk west wind, snow drifting along ground. Sky partially clear in morning, cloudy in afternoon.

Nothing in Pikalo's traps. Weather too disagreeable for moving camp.

February 15th (Tuesday).
Weather:
M.T. -28 -20° at 10.00 a.m. West wind about same as yesterday, but more variable, stronger in forenoon, higher in afternoon. Somewhat cloudy. Clear evening -16° at 12 M. -14° at 1.p.m.(in sun). -16° at 3.P.m.

Fox:
Pikalo found a White Fox dead on snow (starved ?). Tanaumirk found two Foxes in traps on island.

February 16th (Wednesday).
Weather:
M.T. -24° -20 at 8. a.m; -17 at 10.00 a.m. -14° at 12 M. Cloudy. Wind very light (from west) in early morning a little stronger towards noon.

As no signs of open water were seen to eastward yesterday, did not move today.

Fox:
When I crawled out of the tent about 7.00 a.m. I saw a White Fox on ground within 10 yards of rack and within 20 yards of tent. Six dogs were lying around outside the tent, but had not noticed the Fox. When I came out the Fox ran to the crest of the sandspit about 30 yards away and stopped for a minute facing me. Before I could get a rifle out the Fox was about 150 yards away, running along steadily in the peculiar Fox attitude, head half turned to look behind, stopping once at about 200 yards but only for an instant.
Tanaumirk went over to islands eastward, but found no open water.
Bear:
He saw three fresh Bear tracks.
Nothing in fox traps.

February 17th (Thursday).
Weather:

M.T. -20° -18° at 8.00 a.m. Clear in east, cloudy in west. Brisk west wind, snow drifting along ground -12 at 10.00 a.m. -13 at 1.00 p.m.
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Started about 1.00 p.m. with Mr. Stefansson for Schooner "Rosie M." reaching same about 4.00 p.m. facing strong headwind all the way. Did not feel cold until reaching Booth Island. Froze nose and cheeks slightly just before reaching ship.
Snow flurry for a short time while we were in middle of bay, so that we could not see land.

Fox: (White)

Ship people had caught 32 Foxes since V.S. was there two weeks ago. Capt. W. has "Old John" about 20, "foc's'l men" 22. Jim Fugi about 20; and a few "scattering".
Fox; (Blue)

Three Blue Foxes have been taken, two skins maltese gray with ends of hairs washed with brownish; the other "best" skin was dark brown, almost black with scanty traces of bluish color.

No open water and no seal taken for some time.

Steward of ship caught our dog "Iwana" with harness on, in trap six days ago, uninjured, but very poor. Billy had taken "Iwana" south on January 23rd. One of the men had seen one of our lost dogs dead, near "Alexander" house about a week ago.

Clear, and colder in evening.

February 18th (Friday).
Weather:

Clear. Strong west wind, snow drifting. Much colder than yesterday.

Remained on board ship all day, having new soles put on my own and V.S's boots.

Fox:

Three foxes caught by Kutakok today in trap set on ice. One Fox was thickly infested with small black lice. Three lousy Foxes have been taken here before this winter.

February 19th (Saturday).
Weather:

M.T. -32° (since 17th inst., 1 p.m.) -27° at 4.00 p.m. Clear day, apparently a little warmer than

yesterday. Wind northwest, about same strength as yesterday.

Fox:

Two foxes caught by Kutakok today. Started home at 1.30 p.m. reaching camp at 4.00 p.m. running most of way with strong wind behind. Pikalo caught two Foxes today, Tanaumirk none.

February 20th (Sunday).

Weather:

M.T. -35° -27° at 10.00 a.m. -30° at 5.00 p.m. Brisk west wind.

Moved camp about twelve miles east to a little bay on mainland south of islands. Some fairly good wood on sandspit, the only wood seen between here and our old camp.

Wind stronger in afternoon, drifting snow thickly, and making horizon hazy.

Pikalo's dog "Peter" had a succession of fits in morning, ran about camp as if distracted and at last ran straight out on ice about 1/4 mile. Pikalo went to look after him, but left the dog for dead.

Sky overcast in evening.

February 21st (Monday).

Weather:

M.T. -31° -26° at 10.00 a.m. -25° at 12 M. -24° at 3.00 p.m. Brisk east wind. Sky alternately clear and partially overcast.

Nothing in traps today. During most of day the snow was drifting too thickly to see far along ground or ice.

February 22nd (Tuesday).

Weather:

M.T. -29° -29° at 8.00 a.m.-29° at 12 M. -26° at 4.00 p.m. Very light southwest wind all day; almost calm in evening. Clear, bright sunshine all day. Day felt warm after the long spell of hard winds.

Banks Land (Nelson Head, etc)., visible from top of 100 foot hill back of camp. To naked eye appeared as a dark band on horizon, but glasses showed highlands with alternating black and white patches - ravines, etc.

Bear:

V.S. hunted some distance to southeast and was able to see Cape Lyon (across Darnley Bay) as well as Banks Land. He saw fresh tracks of one bear and old tracks of another.

Pikalo and Tanaumirk found nothing in traps today

Moon about full tonight, dimming the Aurora Borealis which shows faint arches across the sky.

February 23rd (Wednesday).
Weather:
M.T. -34° -29° at 9.00 a.m. -29° at 1.00 p.m. Clear. Light west wind, stronger after 6.00 p.m.
Hunted some distance to eastward and saw one fresh and one rather old Bear track. Then crossed to large, rocky island about two miles off shore. Perpendicular cliffs on seaward side of island, sloping to landward side. Some wood on a little sandspit. One very large Bear track and a few fox tracks on island (all old). A little way from north side of island rises a solitary tall chimney-like rock pillar about 50 ft. high. Rough ice for 200-300 yards off island, then 3-4 miles smooth, young ice. High ice masses 3-4 miles off shore from island. Banks Land and Cape Lyon not visible today, owing to fog or steam on ice off shore.

Fox: (Blue & White)
Tanaumirk caught one White Fox and one Blue Fox in traps set on ice near "Torso" Island (small island with arched passage through base).
373 Female Blue Fox L.32 5/8 J.11 H.F.6 1/2. A rather light colored specimen, lighter than any of the three taken by ship at Booth Island. Back light slaty gray, fading posteriorly; tail nearly white above, darker below. Head dark slaty blue. Under parts darker, washed with dull brownish. Feet with whitish hair on soles. Iris dark brown. Flesh of Blue Fox fairly good, but had a slight "foxy" flavor, inferior to White Fox.
Blue Fox = Kai-a-ni-rak-tok (Pikalo - Alaska)
" " = Ig-ra'lik (Tanaumirk - Kittigaryuit).

February 24th (Thursday).
Weather:
M.T. -30° -24° at 9.00 a.m. -20° at 12 M. -16° at 2.00 p.m. Strong west wind all day. Light snowfall during night, continuing during whole day. Thick snow drifting made hunting impossible. Sky cleared up a little in evening.

February 25th (Friday).
Weather:
M.T. -22 -21 at 9.00 a.m. Cloudy. Strong west wind. No snow falling, but snow drifting thickly along ground. -16° at 10.00 a.m. -13° at 1.00 p.m. Light snowfall again in afternoon, wind moderated a little afternoon.

Fox:
Pikalo caught two White Foxes today.

February 26th (Saturday).
Weather:
M.T. -35° -33° at 8.00 a.m. -33° at 10.00 a.m. -38° at 6.00 p.m. Very light west wind all day. Clear. About nine hours sunshine.

Moved camp from Cape Parry islands to house at wreck of "Alexander". On trail from 10.00 to to 4.15 p.m. Although there was very little wind, froze cheeks and chin repeatedly.

Ptarmigan:
Three Willow Ptarmigan alighted on sandspit about 75 yards away while we were breaking camp, but the dogs chased them away at once. Two other Ptarmigan (sp.?) flew over sled while we were crossing bay.

Fox:
Tanaumirk caught one Fox today, and saw many Bear tracks near the islands while taking in his traps.

Aurora arch 30° high, from northwest to southwest.

February 27th (Sunday).
Weather:
M.T. -44° -36° at 10.00 a.m. -30° at 12 M.(in sun) Very faint east wind (the first break in west winds in 15 days).
Hauled two loads of wood from sandspit. Pikalo saw Fox, but too far away to shoot; one of P's traps lost, buried under snow. "Old John" sighted our smoke from Booth Island and came across to investigate. Stefansson accompanied him back to ship to get another axe for trip to Langton Bay. Melting ice off tent in house today -25-30 lbs. of ice and snow accumulated on tentage.

Clear sky all day -35° at 4.00 p.m. East wind stronger after sunset.

February 28th (Monday).
Weather:
M.T. -38° -26° at 11. a.m. Light east wind all day. Clear sky. The boy Mungalina came across from "Rosie R.", bringing an axe with him. Repaired tent and stove today, also clothing. Wind freshened up a little towards evening.

March 1st (Tuesday).
Weather:

M.T. -35° -30° at 8.00 a.m. -18° at 5.00 p.m. Foggy in morning and light snow falling from 8.30 a.m. all day. Light northeast wind increasing in strength towards evening.

Started for Langton Bay at 8.00 a.m. with Pikalo, sled and five dogs, Jumbo, Britton, Lindy, Ivan and Roger. Britton appeared to be "molly colly", a sort of madness, biting and snapping at other dogs at every opportunity. On trail 8.00 a.m. to 4.30 p.m. Camped on sands-pit, south side Sellwood Bay; plenty good wood. So foggy all day that we could not see more than half a mile; four hours out of sight of land crossing from north side of bay to camping place.

Britton much worse in evening, attacking all other dogs. Attempted to make him fast with stick of wood attached to collar, and other end attached to log (having no chain), but he soon managed to chew off the stick.

March 2nd (Wednesday).
Weather:

M.T. -35° -34° at 10.00 a.m. -28° at 4.00 p.m. Foggy. Light northeast wind, much moderated during the night.

Did not sleep well last night; dogs continually growling and fighting. Several times they nearly tore the tent down. Towards morning I woke up and found Britton inside, licking my face. He remained quiet for about an hour, then was put outside. He tried repeatedly to force his way back, grasping and tearing tent cloth in his teeth, and snapping at stick of wood when touched or threatened with it; continually fighting while we broke camp.

Minimum thermometer tipped over and broken by dogs last night. Slightly warmer than yesterday.

On trail 8.30 a.m. to 5.30 p.m. Foggy all day, more clear in morning so that we could often not see more than a mile or two. Found that our course yesterday had brought us into the bottom of Sellwood Bay, so that we had to travel northwest for about three hours before striking our course again. Rough ice at southern entrance of bay. Smooth sledding for several miles south west to outside of large, long island, terminating

in a long sandspit at south end. Much driftwood all along island. Passed on east side of first, smaller, more northern island.

Clear after 7.00 p.m. and stars out; almost calm after 5.00 p.m.

Britton pulled well today; often snatching up a mouthful of snow. He was quiet for an hour after halting; occasionally belching up a small quantity of pinkist colored water, and licking it up from the snow. Soon he began to rave and attack the other dogs, not often biting them, as his widely opened jaws seemed fixed most of the time when fighting. He woukd snarl or moan continuously. Fastened himto log with stick and ropes, but he dragged log up to tent. Then fastened other end of log to rear of sled. This held him until 4.30 a.m. (Thursday), when he dragged log up to the tent, and attacked it viciously, tearing the cloth badly around the door. Sled cover was torn to shreds, and contents of sled scattered on ground. Britton never made any attack to bite me, and always lowered his head docilely whan I fixed ropes about his neck. Pikalo has been afraid to get nearer than the end of a pole to him, and hesitated to go out of the tent when dog is raging outside.

March 3rd (Thursday).

Weather:

-34° -29° at 10.00 a.m. -25°4.00 p.m. Clear morning. Calm. Colder than yesterday. Light southwest wind inmorning, shifting a little more westerly in afternoon. Foggy after 9.00 a.m. thicker towards evening.

Bright Corona around sun from 10 to 11. a.m. lower quarter segment incomplete. Parhelia in circle at sides and top (three inall).

Found that Britton had chewed up harness in two places, and were delayed about an hour making repairs.

Travel:

Started 8.30 a.m. southward. Crossed smooth, sea ice about 3-4 miles, then reached an island several miles long, with short sandspit on north end and another island with very long sandspit on south end. Reached Capt. Wolki's dead fall trap, marking piece of whale's carcass at 1.00 p.m. Snow over carcass much burrowed by foxes. Cut two large slabs of blubber, very dry and stringy, but eaten with avidity by dogs. Pikalo set four traps here.

Much wood along sandspit. Passed old tent site on inner side of spit at 12 M. (V.S's or Billy's)

Fox:
Many fox tracks here.
Ptarmigan:
A few fresh Ptarmigan tracks.

Mountains on west side of Franklin Bay visible for a short time about noon. From carcass near end of sandspit we struck south (no land in sight). In about 1 1/2 hrs. passed outside of our old camp of Nov. 30th, and at 4.00 p.m. reached Capt. Wolki's December camp at the cod-fishing place. Ruins of Capt.Wolki's square snow house and Billy's (?) round tent wall seen. Rack about 1/2 mile southeast on ice. Little wood here now.

"Britton"was much weaker today, walked along quietly in harness until about 3.00 p.m. His lips were much swollen and bloody this morning, and the stick which held him was covered with bloody froth. His nose was also frozen stiff, i.e., the bare exposed portion. In the afternoon he fell down several times. Sometimes he would get up alone, and at other times when lifted up, he would walk along in a dazed manner. Finally I took him out of harness and moved ahead a little way. As the dog remained where I had left him, I was obliged to go back and shoot him. We have four dogs left now,- Roger, Lindy, Jumbo and Ivan. Ivan fell down in a spasmodic fit yesterday, but was up again in a minute or two, apparently as well as ever. This is the first time I have known him to have a fit.

March 4th (Friday).
Weather:
M.T. -29° -29 at 10.00 a.m. -21° at 2.00 p.m. -20 at 4 p.m. Dark, foggy morning. Light snow falling at intervals. Warmer than yesterday. Wind fairly strong W.S.W.

Fox:
Pikalo shot a female White Fox on ice while going over to the fishing place. He thought the fox was crazy, as it stood stupidly while he fired three shots at it.

Went over to rack, and found ruins of two old wooden houses, but no signs of fishing. Spent some hours searching for a likely fishing place, but found none.

Snow falling quite thickly in afternoon, and wind strong, comparatively warm day. Fog and snow so thick most of the time that objects could not be seen more than half a mile.

Hauled a little wood from old rack; previous campers had used up most of wood at our camping place.

March 5th (Saturday).

Weather:

M.T. -35° -25 at 10.00 a.m. -28 at 2.p.m. -30 at 4.00 p.m. Light west wind. Slightly foggy, but islands, etc., discernible at some distance. Mountains not visible. Sun rising about 6.30 a.m. Rather warm.

Travel:

On trail 9.00 a.m. Clear most of day, mountains in plain view.

Slight fog towards evening. Calm about 6.00 p.m. Wind shifted, coming from due east (by Polaris).

Travel:

Passed several small low islands, delaying somewhat for Pikalo to set some Fox traps. Reached Langton Bay house 2.45 p.m. Someone had been here, leaving a small improvised 5 foot toboggan, and a snow-house. Probably Ilavinirk or some of our people from mountains. Went over to ice-house to get meat while Pikalo put up tent.

Fox:

Found a White Fox between inner and outer doors, and killed it with handle of snow-knife. It had dug a hole down through the snow and entered through the round hole which a Wolverine had gnawed through the door. It had evidently tried hard to get out, as the snow-walls of entrance-way were seamed with claw scratches on all sides up to 4-5 feet from ground.

#374 Male Arctic Fox L.34" T.10 3/4"; H.F.6 3/4"

The only things left in ice-house were one Brown Bear's skin, one Ugruk skin and one shoulder of Brown Bear meat (with fat all cut away). Took the bear meat. Gave dogs a little meat, the first meat they have had for a long time.

Wind shifted to southwest about 11. p.m.

March 6th (Sunday).
Weather:

M.T. -45° -39° at 8.00 a.m. -38 at 10.a.m. -38 at 2. p.m. -38 at 4.00 p.m. Clear, Strong southwest wind, blowing snow in great rolls.

Travel:

Got out the required articles from house and started for Cape Parry at 10.00 a.m. Reached headland across bay northeast at 11.00 a.m., and noticed a perceptible diminution of strength of wind, while behind us the air was still full of flying snow, and the whitish snow fog hung over Langton Bay until we were out of sight. Langton Bay appears to have little local storms, the little pocket catching all the wind that blows off the mountains south and west. Passed "fishing--place" camp at 2.30 p.m., our November 30th camp at 3.30 p.m., and made camp at whale carcass at 4.30 p.m. Wind much lighter in afternoon, and shifted to east about 6.00 p.m.

Pilalo caught nothing in three traps set along the trail, or in four at carcass, all traps taken up. Only small fragments of carcass here, slabs of blubber (much weathered), none over 2 1/2" feet square. Plenty of good wood on this sandspit.

November 7th (Monday).
Weather:

M.T. -49° -38° at 8.00 a.m. -36 at 10 a.m. -40° at 8.30 p.m. Clear all day. Very light southwest wind in morning, just a breath of air stirring in afternoon; calm at 6.00 p.m. East wind sprung up about 7.00 p.m. and blew quite strongly about 11.00 p.m.

Travel:

On trail 8.30-4.30. Pikalo left me in morning, to investigate smoke on eastern horizon. Traveled alone all day, pulling on rope ahead of dogs. Some difficulty at times starting sled, as dogs would not pull when I was behind. Overturned once, and broke off 3-4 tent willows which were projecting to the side. Intended to make camp at sandspit (mar. 2nd camp) but passed it and camped a little southeast of high point with rock pinnacle just off shore. Camped 4.30 p.m. Pikalo came into camp about 9.00 p.m. with Palaryuik. Said the two fresh sled tracks which we saw today were Ilavinirk's (with Mamayouk, Noashak, Pannigabluk and Piktokanna (Jimmy's boy), and Okok (Kog. from Baillie Island).

Billy at fishing-place, catching plenty of tom-cod. P. said B. caught about 80 in three hours Pikalo brought along a pack of tom-cod with him, all little fellows. Said Jimmy caught sled-load of fish in one day.

Palaiyuk said that the dog Ivan, which was caught in a trap, half-stafved on Booth Island, Feb. 11th had been taken sick when one day up in the mountains south of Langton Bay, and Billy, according to native custom had turned him adrift, as being of no use.

March 8th (Tuesday).
Weather:

M.T. -40° -40° at 8.00 a.m. -38 at 10.00 a.m. Foggy, dark morning. Islands not visible from shore. Cleared up about 11.00 a.m. and fairly clear for remainder of day. Very light southwest wind.

Slept late this morning, having been up until midnight. Took 2 1/2 hours to get breakfast and start off.

Travel:

On trail 9.30 a.m. to 4.00 p.m. Made a new trail across mainland, avoiding heavy ice travel around "Rock Point". Ascended gentle slope, in little depression (or bay) about 1/2 mile southeast of point and southeast of northernmost of chain of islands running north from Langton Bay. Easy sledding over gentle slopes; with hard-crusted snow.

Fox:

Several fox tracks on hilltop as well as on sea-ice.

Travel:

Started to cross Sellwood Bay 12 M - reached other side at 2.30 at low Stony Point. Could not see across bay on account of mist, but headed due north, striking edge of heavy ice pack about 1/2 mile east of point. Crossed next bay and camped in a little bight, with sandspit, plenty of good driftwood. Remains of one camp (this winter's) here. Cold in evening. Brilliant Aurora Borealis, mostly in south (or rather, extending from east to west.

March 9th (Wednesday)
Weather:

M.T. -47° -44° at 9.00 a.m. -31 at 11.a.m. -20 (in sun) at 3.00 p.m. Clear, bright morning. Cold. Light southwest wind.

Travel:
On trail 8.30 a.m. Made short, easy portage across land, avoiding rough ice at point with large rock mass off shore (small island northeast). Soon sighted "Alexander", crossed two sandspits and reached same at 10.30 a.m. Found that Ilavinirk had just gone south with two sleds (nine dogs). He had bought one dog from Kutakok for himself and four sacks of flour for "Jimmy" (1 sack = 3 fox skins, 1 sack = 3 deer skins; 2 sacks = 1 wolverine skin).

Deer:
A few deer had been killed by them at Horton River camp, but the people were pretty hungry before "Billy" reached their camp with supplies. They had to eat most of the deer skins and the sinew which had been saved for sewing thread.

Wolverine:
Ilavinirk killed another wolverine in the Langton Bay ice-house. It had eaten most of the meat.

White Fox: Arctic Hare:
Four White Foxes and one Arctic Hare had been killed last week by V.S. and Tanaumirk. Hare was very fit, both inside and outside.

Travel:
Pikalo and Pannigabluk decided to remain for a while at "Alexander" house. Stefansson and I packed up sled and started with five dogs on Ilavinirk's trail at 3.00 p.m. Took inside passage along narrow fjord running about 5 miles southeast from "Alexander" then across a short portage, and along another fjord about four miles southwest, reaching Ilavinirk's camp on north side of Sellwood Bay at 6.00 p.m. Made camp with round snow wall about 5 ft. high, roofed with canvas. Very cold night. Ideal traveling weather during day,- air crisp and exhilarating and sun giving a little warmth. Plenty of wood on little sandspit on southwest side of big fjord. Very light northeast wind in afternoon.

March 10th (Thursday).
Weather:
-45° -32° at 8.30 a.m. -36° at 6.00 p.m. Clear all day. Light northeast wind, a little variable in evening.

Travel:

Made a south-easterly course across Sellwood Bay, starting at 9.00 a.m. Crossed mainland behind Rock Island point, avoiding heavy icepack (trail of Mar. 8th), then head for north end of second large island from north; passing outside and catching the old "sled-road" (Ilavinirk's and my own). Think that trail to Langton Bay would be considerably shortened by passing east of north end of this island, and crossing low land to big lagoon, heading about due south. Camped at 4.30 p.m. along side of long sandspit.

March 11th (Friday).

Weather:

M.T. -45° -30° at 9.00 a.m. Clear all day. Very light northeast wind. Cloudy and foggy after dark.

Travel:

On trail at 10.00 a.m. and reached fishing place (Okat) about 4.00 p.m. going a somewhat roundabout course the last four or five miles.

Fish:

Fishing place is in a large lake or rather salt-water lagoon. The only fish caught are a species of tomcod, not over 15 in long, and a very few small cod-fish (?), the latter about the same length as tom cod, but about twice as heavy, with better, firmer flesh. Today three or four people caught nearly a sled-load of fish in half a day's fishing. Female fish (both species) are big with roe, about two tablespoons full to each fish, and male fish full of milt. Tom cod have a slightly sweetish taste when boiled.

Five people here when we came,- Jimmy and his wife Sinnekpiak and boy David. Billy (Netkushik), Kunasilek and Palaiyuk, and our own party consisted of eight more - thirteen people and eighteen dogs. We need almost a sled load of fish per day.

March 12th (Saturday).

Weather:

M.T. -33° -23° at 9.00 a.m. -10° at 1.00 p.m. (in sun) -23° at 2.00 p.m. (in shade) -27° at 3.00 p.m. Light northeast wind. Quite thick fog in morning and slightly foggy during most of day, although sun shone quite warm about noon.

Fish:

Fished all morning, but caught only one small cod and five tom cod. Ilavinirk and Tanaumirk did not have much better luck. Billy and Jimmy caught almost a sled load, hauling up a fish every minute or two. They fish with a rod about two feet long and a short stick in left hand to reel up line when a fish is hooked. Ice about 4 1/2 -5 feet thick and about four fathoms of water.
Female fish appear to be spawning here now, as they are bloated up with roe, and often when jerked out of water onto the ice the roe oozes out. The stomachs of many (or most) of the fish caught are filled with the roe; very small yellow eggs. The hooks used are rather large bone hooks with three prongs (barbless) with a little piece of red flannel tied about the hook. Sinker about the weight of .45-70 bullet. The ordinary three-barbed spoon-hook, tufted with red and white feathers, and used either with or without the spoon, are as good, or better than the native "nixey" hook. The only difficulty to disengage - a "cold finger job" at [illegible] -30° Fahrenheit. With the unbarbed hook the fish is thrown out on the ice and a few twitches on the line frees the hook. Many fish are lost, however, before they can be hauled up. In December, Capt. Wolki's people caught the most with an ordinary shaped nixey made of brass, about 1 1/2 inches long, unbarbed. He thought that he could have caught more fish with a barbed hook, however.

Ptarmigan:

V.S. saw 4-5 Ptarmigan and Palaiyuk also saw some.

March 13th (Sunday).

Weather:

M.T. -32° -14° at 9.00 (in sun) Clear. Light southwest wind. -2° at 12 M (in sun) -14° at 5.00 p.m. Cloudy in afternoon.

Fish:

Very few fish caught today.

Travel:

There has been some doubt recently among our natives as to whether they wanted to stick to the party for another year, or to make any attempt to get eastward this spring towards the Coppermine. The hardships of last winter probably had a great deal to do with their dissatisfaction. When

Ilavinirk came to Cape Parry last week he had fully decided to go back to the Mackenzie River at once with Memoranna ("Jimmy"), but when Stefansson cheerfully told him to go ahead, he crawfished and decided to stay. Billy (Netkushiak) was willing to go anywhere. After much discussion of several plans, the one with apparently fewest objectionable features was decided upon, as follows:

As Jimmy is going to start tomorrow back for Kittigaryuit, via Baillie Island, I am going with him to look after our whaleboat and other property at Tuktuyaktok this spring. This will obviate the necessity of my taking a sled and dog-team away from here. Jimmy may go to Fort McPherson by sled, and if he does, I shall probably accompany him, to see whether our goods came down the Mackenzie last summer. As soon as the water opens I shall try to get to Herschell Island, and if possible, get myself and goods taken to Baillie Island by whatever whaler is available; as well as attempt to purchase supplies of food, etc., from the whaling ships.

Ilavinirk is going with me to Langton Bay, to cross the mountain ridge over to Horton River, and pick up my collecting tools, and some other things cached by Stefansson during the "hard times" up river trip last November. We expect to meet Jimmy again at Fritz's house at mouth of Horton River. Then Ilavinirk will come back to fishing place (Okat) to rejoin Stefansson.

In the meantime, Stefansson will start at once for Cape Parry (with Billy, probably) to bring down some more necessary supplies. Then he intends, to start east along the coast in the direction of the Coppermine country, crossing the Cape Parry peninsula at this point to Darnley Bay, thence, either rounding Cape Lyon or across the corner of land south of Cape Lyon, thence along the coast as far as practicable. He will take two sleds, and while Stefansson with Billy and Tanaumirk may go a long distance, Ilavinirk with his family (wife, boy and little girl) intend to come back to Langton Bay sooner, in order to hunt seals, for a blubber supply for next winter, and later to hunt deer around Langton Bay, for clothing skins, as well as to make a meat cache in the ice house there. Stefansson expects meet me next August at Baillie Island with the big canoe (umiak). In the meantime he hopes to get in touch with the natives (Eskimos) of the region about the mouth of the Coppermine, so that we can be more successful in exploring that country next winter.

Skins:

Mr. Stefansson collected a number of skins for the Museum last fall and winter,- three Barren Ground Bears, seven Caribou, one Wolverine one White Wolf, one Arctic Fox, but with the exception of one Barren Ground Bear skin and head now in ice-house at Langton Bay, all the other skins were destroyed by wolverines or eaten by the party during a starvation period.

I have one skin of Arctic Hare, one Arctic Fox and one light slate-colored Blue Fox skin now in the house at the "Alexander" wreck.

March 14th (Monday).

Weather:

M.T. -21° -17° at 8.00 a.m. Clear, Light southwest wind. -21° at 6.00 p.m. Fog came up about 9.00 a.m., and gradually thckened until a light snow was falling from 12 M. to 2. p.m.

Travel:

Started from fishing place (Okat) for Langton Bay with Ilavinirk and Palaiyuk at 11.00 a.m. and reached old whaler's house about 4.30 p.m. going in a general west or southwest direction, and travelling four or five miles over low, flat, grassy land. Took six dogs and half a sled load of tom cod, besides a little flour and tea, and sleeping gear and small tent. Jimmy started at same time with six dogs and sled well loaded with fish and deerskins. His intention is to strike straight across Franklin Bay to west shore, some distance south of Horton River mouth, and wait for us at Capt. Wolki's house. He wants to set a few traps at the old whale carcass there. We made slow time today, in new snow, with fairly heavy load. Evening clear and cold.

Before leaving, Mr. Stefansson gave me a letter of which following is a copy,-

"Cape Parry, March 14, 1910.

To whom it may concern:

This is to certify that Dr. R. M. Anderson is authorized to act in my stead in any matter concerning the carrying forward for the year 1910-1911 of the work of the "Stefansson Arctic Expedition" to purchase any goods he considers necessary for promoting this work, and to draw in payment thereof sight drafts, payable after January first, nineteen hundred eleven on any funds to the credit of the said "Expedition" in the hands of the American Museum of Natural

History of New York City or the Geological Survey of the Dominion of Canada. (Signed) V.Stefansson."

We also made out a list of supplies to be purchased at Fort McPherson, and from the whaling ships next summer if possible.

DAILY TEMPERATURES.

AUGUST 1909

Day	Minimum Temp.	Maximum recorded Temp.	Prevailing winds
22	+32°	+33°	SW-NW.
23	+32°	+32°	NW.
24	+31°	+33°	NW.
25	+31°	+37°	NW.
26	+30°	+38°	SW.
27	+28°	+30°	SW.
28	+35°	+45°	NE-SW.
29	+36°	+55°	NW.
30	+33°	+34°	NW.
31	+33°	+36°	NE-SW.

SEPTEMBER.

1	+35°F.	+36°	SW-NE.
2	+34°	+36°	SW
3	+35°	+36°	NE
4	+33°	+34°	SW
5	+34°	+39	SW-NE
6	+33°	+34°	E
7	+30°	+31°	
8	+30°	+40°	
9	+31°	+32°	E
10	+32°	+33	ESE
11	+34°	+42°	SW
12	+40°	+40°	NW
13	+38°	+38°	SW
14	+38°	+42°	NE
15	+40°	+48°	ENE
16	+36°	+38°	NW
17	+29 1/2°	+31°	NW
18	+25°	+26°	NE
19	+31	+32°	E
20	+29	+30°	NE
21	+28	+33	
22	+28	+30	SW
23	+26	+27	NW
24	+20	+21	NW
25	+20	+21	NW
26	+28	+30	NW
27	+24	+26	
28	+15	+18	SE-SW
29	+17	+29	NW
30	+15	+18	NW

OCTOBER.

Day	Minimum Temp.	Maximum recorded Temp.	Prevailing winds
1	+23°	+29°	NW
2	+27°	+27°	NW
3	+26°	+30°	NW
4	+23°	+23°	NE
5	+17°	+17°	NE
6	+13°	+15°	NE
7	+15°	+17°	SW
8	+5	+13°	S
9	+14°	+15°	S
10	+3°	+14°	S
11	+13°	+23°	S
12	+22°	+22°	NW
13	+17°	+22°	NE
14	+24°	+24°	
15	+21°	+22°	NW
16	+9°	+21°	NW
17	+12°	+22°	SW
18	-4°	+1°	
19	-6°	+1°	SW
20	-12°	+12°	Sw
21	+9°	+14°	SW
22	-12°	-5°	SW
23	-10°	-4°	SW
24	+3°	+18°	SW
25	-2°	+14°	SW
26	+3°	+19°	NE
27	+16°	+17°	NE
28	-3°	+8°	NE
29	-11°	+5°	NE
30	-17°	-14°	
31	-19°	-2°	NE

NOVEMBER, 1909

1	+1°	+10°	NE
2	-14°	-5°	SW
3	-4°	+5°	NE-SW
4	-16°	-10°	SW
5	-16°	-16°	SW
6	-22°	-22°	SW
7	-32°	-20°	
8	-22	-12°	E
9	-17°	-17°	E
10	-27°	-22°	E
11	-22°	-6°	E-SW-SW

NOVEMBER (cont'd).

Day	Minimum Temp.	Maximum Recorded Temp.	Prevailing winds
12	-22°	-12°	SW
13	-14°	+8°	SE-SW
14	-12°	-12°	O
15	-10	+2°	NW
16	-5°	+8°	NW
17	-5°	+2°	NW
18	-17°	-17°	O
19	-24°	-19°	NE
20	-27°	-10°	W
21	-10°	-10°	W
22	-32°	-28°	O
23	-32°	-31°	WNW
24	-20°	-12°	NW
25	-15°	-15°	SW
26	-25°	-25°	NW
27	-31°	-30°	NW
28	-33°	-24°	O-SW
29	-23°	-18°	SW
30	-28°	-23°	SW

DECEMBER.

1			SW
2	colder		SW
3			SW-NW
4		cold	NW
5	cold	cold	SW
6		cold	NE-SE
7		cold	SW
8	warmer		O-SW
9	warmer	-12°	SW
10	-23°	-22°	SW
11	-25°	-11°	SW
12	-26°	-19°	SW
13	-32°	-22°	SW-NE
14	-26°	-20°	NE
15	-20°	-6°	NE
16	-7°	+8°	E-SE
17	+7°	+12°	NE
18	+5°	+6°	NW-NE
19	-25°	-20°	NE
20		+10°	SW
21	-5°	+10°	SW
22	+5°	+10°	SW
23	-12°	-4°	NW
24	-10°	0°	SW
25	-15°	-15°	SW

DECEMBER (Cont'd.)

Day	Minimum Temp.	Maximum recorded Temp.	Prevailing winds
26	-30°	-17°	NE
27	-17°	+10°	O-SE
28	-10°	+15°	SW
29	-7°	-7°	NW
30	-11°	-6°	NW
31	-2°	-2°	NW

JANUARY 1910.

1	-25°	-23°	O-SW
2	-23°	-0°	SW-NE
3	0°	+10°	NE
4	-5°	+3°	NW-W
5	-15°	-8°	SE
6	-17°	-10°	E-SE
7	-12°	+3°	SE
8	-6°	-3°	O-NW
9	-15°	-15°	NW
10	-25°	-25°	NW-W
11	-28°	-25°	SW
12	-30°	-30°	SW
13	-31°	-26°	E
14	-26°	-18°	SW
15	-18°	-18°	SW
16	-20°	-5°	NW
17	-20°	-6°	E
18	-10°	-10°	NE-SW
19		cold	SW
20			SW
21			O
22			E
23	-26°	-23°	NE
24	-26°	-20°	NE
25	-21°	-15°	E
26	-15°	-8°	E
27	-15°	-14°	O-E
28	-14°	-7°	O
29	-10°	-2°	E
30	-22°	-22°	SW
31	-25°	-25°	SW

FEBRUARY, 1910.

1	-27°	-26°	SW
2	-35°	-33°	SW
3	-42°	-39°	SW-SE
4	-46°	-33°	S SE
5	-37°	-28°	E
6	-30°	-20°	E

FEBRUARY 1910. cont'd.

Day	Minimum Temp.	Maximum Recorded Temp.	Prevailing winds
7	-21°	-14°	NE
8	-24°	-22°	E
9	-25°	-16°	E
10	-24°	-19°	N NE
11	-22°	-15°	E
12	-30°	-26°	W
13	-33°	-30°	W
14	-33°	-26°	W
15	-28°	-14°	W
16	-24°	-14°	W
17	-20°	-12°	W
18			W
19	-32°	-27°	NW
20	-35°	-27°	W
21	-31°	-24°	W
22	-29°	-26°	SW
23	-34°	-29°	W
24	-30°	-16°	W
25	-22°	-13°	W
26	-35°	-33°	W
27	-44°	-30°	E
28	-38°	-26°	E

MARCH.

Day	Minimum Temp.	Maximum Recorded Temp.	Prevailing Winds
1	-35°	-18°	NE
2	-35°	-28°	NE
3	-34°	-25°	SW
4	-29°	-20°	W SW
5	-35°	-28°	W
6	-45°	-38°	SW
7	-49°	-36°	SW
8	-44°	-38°	SW
9	-47°	-20°	SW E
10	-45°	-32°	NE
11	-45°	-30°	NE
12	-33°	-10°	NE
13	-32°	-2°	SW
14	-21°	-17°	SW